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PRODUCT GUIDE / WINTER 2019

**HIKVISION**

Front Cover

**Top Row (L-R):** Juan Campos, Field Application Engineer, Canada / Marissa Muniz, Warehouse Administrator / Andrew Reyes, Sales Operations Lead

**Bottom Row (L-R):** Barry Paisley, Regional Sales Manager, Canada / Andronicus Turner, Inside Sales Representative / Christy Bauswell, Vertical Lead, Retail and Healthcare



# About Hikvision

The foundation of our business is cutting-edge technology: high-definition IP and analog cameras, hybrid, Plug and Play, and standalone DVRs, NVRs, PTZ domes, network switches, encoders and decoders, phone apps, VMS software, Central Management Systems, Monitors, and the latest technology innovations.

Fortified by one of the largest R&D teams in the video surveillance industry, the innovation behind these products combined with our outstanding team members and partners has made Hikvision the No. 1 video surveillance equipment provider in the world, according to global research firm IHS Markit. A total solution provider, Hikvision is a leading provider of security hardware equipment and software solutions for a broad range of vertical markets including

retail, education, healthcare, critical infrastructure, enterprise and many others. Whatever the scope or requirements of the application, Hikvision has a user-friendly, highly-scalable solution, and a support team to help our integrators meet their customers' needs.

Beyond security, Hikvision products provide important data and business intelligence for end users, which can be used to enable greater commercial success and more efficient operations. Committed to the utmost quality and safety of its products, Hikvision encourages partners to take advantage of the many cybersecurity resources Hikvision offers, including the online Hikvision Security Center.



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## DEEP LEARNING

Box Camera / Indoor and Outdoor Dome / Outdoor Bullet / Multi-Sensor / Counting Camera / Ultra-Wide Panoramic / Fisheye / Covert / Height Strip / Indoor and Outdoor PTZ / Specialty Dome and PTZ / NVR / Outdoor PanoVu / Outdoor Explosion Proof PTZ and Bullet / Smart Tracking System / Monocular Handheld Camera / Blazer / HikCentral / Stainless Steel Outdoor PTZ and Bullet

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## PERFORMANCE & VALUE IP SOLUTIONS

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Standalone Terminal / Fingerprint Terminal / Video Terminal / Time Attendance Terminal / Facial Recognition Terminal / Facial Recognition Unit / Network Access Controller / Mifare Card Reader / Fingerprint Card Reader / Proximity Card Reader / Mifare Card and Key Fob / Proximity Card and Key Fob / Card and Fingerprint Enrollment / Smart Secure Unit / Swing Barrier / Exit Button / Lock / Special Mount

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# Professional Solutions



The Smart Pro IP solutions include a wide array of products for professional applications. Enhanced with Hikvision Smart technologies, Hikvision's Smart IP and PTZ cameras, specialty Stainless Steel cameras and upright PTZ's, PanoVu multi-sensor cameras, thermal solutions, the HikCentral management system, and Smart NVRs are all designed to deliver intelligent security for the modern marketplace. The Professional Solutions deliver state-of-the-art technology for high performance and enterprise applications. Whether you're securing a large facility or small business, you will find the most advanced products in the Professional Solutions product range.

## NETWORK (IP) CAMERA FEATURES

- High performance, fully-loaded project cameras with 140 dB and up to 32 MP in PanoVu Multi-Sensor cameras, with lenses ranging from fixed to 50x zoom PTZ cameras.
- Multiple form factors, including indoor/outdoor dome, bullet, fisheye, covert, upright PTZ, Stainless Steel, and 360° Panoramic view domes.
- Thermal cameras with low, medium and high resolutions, applied colors and accurate fire detection.
- Smart Analytics add to the high performance capabilities and include detection of line crossing, intrusion, region entrance/exit, unattended baggage, object removal, scene change, sudden audio increase/decrease, audio loss, defocus, object counting, defog and LPR (License Plate Recognition).






## NETWORK VIDEO RECORDER FEATURES

- High performance, fully-loaded project NVRs from 16 to 256 channel inputs.
- The latest video compression (H.265+) to reduce bandwidth and increase storage space by 50-70 percent.
- Ultra High Definition (UHD) output up to 4K, with HDMI and VGA outputs
- Bandwidth capability from 256 Mbps up to 768 Mbps for uninterrupted video display and recording.
- Long-term storage capacity, from 80 TB to 240 TB, for months of recording as well as RAID 0 to RAID 10 support.

## NETWORK CAMERAS - SMART SERIES

	BOX CAMERA	INDOOR DOME	OUTDOOR BULLET	OUTDOOR DOME
<b>Model</b>	DarkFighter. LightFighter. <b>EXIR 2.0</b> 2/4 MP ONLY   *Lens not included  DS-2CD5026G0-AP DS-2CD5046G0-AP DS-2CD5065G0-AP DS-2CD5085G0-AP DS-2CD50C5G0-AP	DarkFighter. LightFighter. <b>EXIR 2.0</b> 2/4 MP ONLY    DS-2CD5126G0-IZS DS-2CD5146G0-IZS DS-2CD5165G0-IZS DS-2CD5185G0-IZS DS-2CD51C5G0-IZS	DarkFighter. LightFighter. <b>EXIR 2.0</b> 2/4 MP ONLY    DS-2CD5A26G0-IZHS DS-2CD5A26G0-IZHS8 DS-2CD5A46G0-IZHS DS-2CD5A46G0-IZHS8 DS-2CD5A65G0-IZHS DS-2CD5A85G0-IZHS DS-2CD5A85G0-IZHS8 DS-2CD5AC5G0-IZHS	DarkFighter. LightFighter. <b>EXIR 2.0</b> 2/4 MP ONLY    DS-2CD5526G0-IZHS DS-2CD5526G0-IZHS8 DS-2CD5546G0-IZHS DS-2CD5546G0-IZHS8 DS-2CD5565G0-IZHS DS-2CD5585G0-IZHS DS-2CD5585G0-IZHS8 DS-2CD55C5G0-IZHS
<b>Megapixels</b>	2/4/6/8/12 MP	2/4/6/8/12 MP	2/4/6/8/12 MP	2/4/6/8/12 MP
<b>Min. Illumination (lux)</b>	2/4 MP: Color: 0.002 @ f/1.2 6/8/12 MP: Color: 0.009 @ f/1.2 B/W: 0.000 @ f/1.2	2/4 MP: Color: 0.002 @ f/1.2, 6/8/12 MP: Color: 0.009 @ f/1.2, B/W: 0.000 @ f/1.2	2/4 MP Color: 0.002 @ f/1.2, 6/8/12 MP: Color: 0.009 @ f/1.2, B/W: 0.000 @ f/1.2	2/4 MP Color: 0.002 @ f/1.2, 6/8/12 MP: Color: 0.009 @ f/1.2, B/W: 0.000 @ f/1.2
<b>Lens</b>	Auto back focus, C/CS mount	2.8 to 12 mm @ f/1.2, motorized, autofocus	IZHS: 2.8 to 12 mm @ f/1.2, motorized, autofocus IZHS8: 8 to 32 mm @ f/1.4 motorized, autofocus	IZHS: 2.8 to 12 mm @ f/1.2, motorized, autofocus IZHS8: 8 to 32 mm @ f/1.4 motorized, autofocus
<b>Day/Night/BLC/WDR</b>	2/4 MP: TRUE/Yes/140 dB 6/8/12 MP: TRUE/Yes/120 dB	2/4 MP: TRUE/Yes/140 dB 6/8/12 MP: TRUE/Yes/120 dB	2/4 MP: TRUE/Yes/140 dB 6/8/12 MP: TRUE/Yes/120 dB	2/4 MP: TRUE/Yes/140 dB 6/8/12 MP: TRUE/Yes/120 dB
<b>IR Range Max (meters)</b>	---	30 (8-32 mm lens = 50 m)	50 (8-32 mm lens = 100 m)	30 (8-32 mm lens = 50 m)
<b>Video Compression</b>	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
<b>Max. Image Resolution (pixels) and Frame Rate</b>	2 MP: 1920x1080, 60 4 MP: 2560x1440, 30 6 MP: 3072x2048, 30 8 MP: 3840x2160, 30 12 MP: 4000x3000, 20	2 MP: 1920x1080, 60 4 MP: 2560x1440, 30 6 MP: 3072x2048, 30 8 MP: 3840x2160, 30 12 MP: 4000x3000, 20	2 MP: 1920x1080, 60 4 MP: 2560x1440, 30 6 MP: 3072x2048, 30 8 MP: 3840x2160, 30 12 MP: 4000x3000, 20	2 MP: 1920x1080, 60 4 MP: 2560x1440, 30 6 MP: 3072x2048, 30 8 MP: 3840x2160, 30 12 MP: 4000x3000, 20
<b>Audio Input/Output</b>	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	---	IN: 1 line OUT: 1 line
<b>Alarm Input/Output</b>	2/2	1/1	2/2	1/1
<b>Ratings</b>	UL/cUL Listed	IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed
<b>Operating Temperature Range</b>	-30° C to 60° C (-22° F to 140° F)	-30 °C to 60 °C (-22 °F to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F)
<b>Power Requirements (max.)</b>	24V AC, 12V DC, PoE (802.3af), 7 W	12V DC, PoE (802.3af), 8 W	12V DC, PoE (802.3af), 15 W	12V DC, PoE (802.3af), 14 W
<b>Brackets</b>	WBS, PP2	PC130, WML, CPM, CPME, PM, CM, RCM-1, AB135	PM1, CM1	PC155, WML, CPM, PM1, CM1

## NETWORK CAMERAS - SMART SERIES

	OUTDOOR BULLET	COUNTING CAMERA		COUNTING CAMERA	LICENSE PLATE RECOGNITION
Model	<b>EXIR</b> 	<b>DarkFighterX</b> 			
	DS-2CD4A24FWD-IZH	DS-2CD5028G0/E-HI	iDS-2CD6412FWD/C	iDS-2CD6810F/C	DS-2CD4A26FWD-IZHS/P DS-2CD4A26FWD-IZHS8/P
Megapixels	2 MP	2 MP	1.3 MP	0.6 MP	2 MP
Min. Illumination (lux)	Color: 0.007 @ f/1.4, B/W: 0 with IR	Color: 0.001 @ f/1.5 AGC ON B/W: 0.0001 @ f/1.5 AGC ON, 0 with IR	Color: 0.028 @ f/2.0, AGC ON B/W: 0.0028 @ f/2.0, AGC ON	B/W: 1.2 @ f/2.0	Color: 0.0027 @ f/1.4 B/W: 0 with IR
Lens	4.7 to 94 mm @ f/1.4 motorized, autofocus	5 to 50 mm @ f/1.5 to f/2.9 motorized, autofocus	2.1 mm @ f/2.2 2.8 mm @ f/2.0	2 mm @ f/2.2 2.8 mm @ f/2.0 4 mm @ f/2.2	<b>IZHS:</b> 2.8 to 12 mm @ f/1.4, motorized, autofocus <b>IZHS8:</b> 8 to 32 mm @ f/1.4, motorized, autofocus
Day/Night/BLC/WDR	TRUE/Yes/120 dB	TRUE/Yes/120 dB	Electronic/Yes/120 dB	---	TRUE/Yes/120 dB
IR Range Max (meters)	120	100	---	---	<b>IZHS8/P:</b> 50 <b>IZHS/P:</b> 100
Video Compression	H.264+/H.264/MJPEG	H.265+/H.264+/H.264/MJPEG	H.264/MJPEG/MPEG4	H.264	H.264+/H.264/MPEG4/MJPEG
Max. Image Resolution (pixels) and Frame Rate	1920x1080, 30	1920x1080, 30	1280x960, 30	640x960, 24	1920x1080, 30
Audio Input/Output	---	IN: 1 line OUT: 1 line	IN: 1 line/mic OUT: 1 line	---	IN: 1 line/mic OUT: 1 line
Alarm Input/Output	---	2/2	1/1	1/1	1/1
Ratings	IP67, UL/cUL Listed	IP66, UL/cUL Listed	UL/cUL Listed	---	IP67, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-10 °C to 40 °C (14 °F to 104 °F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC, PoE+ (802.3at), 15.5 W	24V AC, PoE+ (802.3at), 43 W with heater	12V DC, 7.5 W	12V DC, 7 W	12V DC, PoE+ (802.3at), 21 W
Brackets	Includes CB130	WBL	---	Includes ceiling mount, optional WM6810, CM6810, PP1	Includes CB130

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.  
See data sheet for supported analytics. HEOP capability available in FW 5.5.90 for 2 MP and 4 MP.



## NETWORK CAMERAS - SMART SERIES

	LICENSE PLATE RECOGNITION	ULTRA-WIDE PANORAMIC OUTDOOR	CORNER FISHEYE	FISHEYE INDOOR	FISHEYE OUTDOOR
<b>Model</b>					
	<b>DS-2CD7A26G0/P-IZHS</b> <b>DS-2CD7A26G0/P-IZHS8</b>	<b>DS-2CD6W32FWD-IVS</b>	<b>DS-2CD6W32FWD-IVSC</b>	<b>DS-2CD6332FWD-I</b>	<b>DS-2CD6332FWD-IV</b>
<b>Megapixels</b>	2 MP	3 MP	3 MP	3 MP	3 MP
<b>Min. Illumination (lux)</b>	Color: 0.002 @ f/1.2 B/W: 0 with IR	Color: 0.4 @ f/2.4, AGC On B/W: 0 with IR	Color: 0.4 @ f/2.4, AGC On B/W: 0 with IR	Color: 0.28 @ f/2.0 B/W: 0 with IR	Color: 0.28 @ f/2.0 B/W: 0 with IR
<b>Lens</b>	<b>IZHS:</b> 2.8 to 12 mm @ f/1.2, motorized, autofocus <b>IZHS8:</b> 8 to 32 mm @ f/1.2, motorized, autofocus	2 mm @ f/2.4	2 mm @ f/2.4	1.19 mm @ f/2.0, Fisheye	1.19 mm @ f/2.0, Fisheye
<b>Day/Night/BLC/WDR</b>	TRUE/Yes/140 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/No/120 dB	TRUE/No/120 dB
<b>IR Range Max (meters)</b>	<b>IZHS:</b> 50 <b>IZHS8:</b> 100	15	15	15	15
<b>Video Compression</b>	H.265/H.264/H.265+/H.264+	H.264	H.264	H.264/MJPEG	H.264/MJPEG
<b>Max. Image Resolution (pixels) and Frame Rate</b>	1920x1080, 60	2048x1536, 30	2048x1536, 30	2048x1536, FPS Varies by Mode and View Setting	2048x1536, FPS Varies by Mode and View Setting
<b>Audio Input/Output</b>	NO	Built-in speaker and mic	Built-in speaker and mic	Built-in speaker and mic	Built-in speaker and mic
<b>Alarm Input/Output</b>	2/2	1/1	1/1	---	---
<b>Ratings</b>	IP67, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	UL/cUL Listed	IP66, IK10, UL/cUL Listed
<b>Operating Temperature Range</b>	-40° C to 60° C (-40° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-10° C to 50° C (-14° F to 122° F)	-30° C to 60° C (-22° F to 140° F)
<b>Power Requirements (max.)</b>	12V DC, PoE+ (802.3at), 17 W	12V DC, PoE (802.3af), 12 W	12V DC, PoE (802.3af), 12 W	12V DC, PoE (802.3af), 12.5 W	12V DC, PoE (802.3af), 12.5 W
<b>Brackets</b>	PM/CM/PM-LPR	Included	Included	PC-FE, CB-FE, CPM	PC-FE, CB-FE, CPM

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.  
See data sheet for supported analytics. HEOP capability available in FW 5.5.90 for 2 MP and 4 MP.



## NETWORK CAMERAS - SMART SERIES

FISHEYE INDOOR		FISHEYE OUTDOOR		COVERT		HEIGHT STRIP CAMERA					
Model			 <small>* Base unit</small>								
	DS-2CD6362F-I	DS-2CD6362F-IV DS-2CD63C2F-IV	DS-2CD6412FWD-C2	DS-2CD6412FWD-L10 DS-2CD6412FWD-L20 DS-2CD6412FWD-L30			DS-2CD6424FWD-10 DS-2CD6424FWD-20 DS-2CD6424FWD-30 DS-2CD6424FWD-40/E1 DS-2CD6424FWD-40/E2				DS-2CD6424FWD-20/E
Megapixels	6 MP	6/12 MP	---	1.3 MP			2 MP				2 MP
Min. Illumination (lux)	Color: 0.25 @ f/2.6	6 MP: Color: 0.25 @ f/2.6 12 MP: Color: 0.04 @ f/2.4	---	10/20: Color: 0.04 @ f/2.3 30: Color: 0.03 @ f/2.0			Color: 0.028 @ f/2.0, AGC ON				Color: 0.028 @ f/2.0, AGC ON
Lens	1.27 mm @ f/2.6, 180° (wall mount), 360° (ceiling mount), 360° (table mount)	6 MP: 1.27 mm @ f/2.6, 12 MP: 2 mm @ f/2.4 Fisheye, 180° (wall mount), 360° (ceiling mount), 360° (table mount)	Lens dependent	10/20: Fixed, 3.7 mm @ f/2.3 30: Fixed, 2.8 mm, 4 mm @ f/2.0			10: Fixed 3.7 mm @ f/2.5, cylindrical pinhole 20: Fixed 3.7 mm @ f/2.5, L-shaped, pinhole 30: Fixed 2.8 mm @ f/2.0, Tube 40/E1: Fixed 2.8 mm @ f/2.0, Ball with Turret mount 40/E2: Fixed 2.8 mm @ f/2.0, Ball with in-ceiling mount				Fixed 3.7 mm @ f/2.5, L-shaped, pinhole
Day/Night/BLC/WDR	TRUE/No/Digital	TRUE/No/Digital	---	Electronic/No/120 dB			TRUE/Yes/120 dB				TRUE/Yes/120 dB
IR Range Max (meters)	15	15	---	---			---				---
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/ MPEG4/MJPEG	---			H.264/MJPEG				---
Max. Image Resolution (pixels) and Frame Rate	3072x2048 FPS Varies by Mode and View Setting	6 MP: 3072x2048 12 MP: 4000x3072 FPS Varies by Mode and View Setting	---	1280x960, 30			1920x1080, 30				1920x1080, 30
Audio Input/Output	Built-in speaker and mic	Built-in speaker and mic	IN: 1 line/mic OUT: 1 line	---			IN: 1 line/mic OUT: 1 line				IN: 1 line/mic OUT: 1 line
Alarm Input/Output	---	---	1/1	---			1/1				1/1
Ratings	UL/cUL Listed	IP66, IK10, UL/cUL Listed	UL/cUL Listed	UL/cUL Listed			UL/cUL Listed				UL/cUL Listed
Operating Temperature Range	-10° C to 50° C (-14° F to 122° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)			-30° C to 60° C (-22° F to 140° F)				-30° C to 60° C (-22° F to 140° F)
Power Requirements (max.)	12V DC, PoE (802.3af), 12 W	12V DC, PoE (802.3af), 12 W	12V DC, PoE (802.3af), 8.5 W	Powered by Base Unit			12V DC, PoE (802.3af), 6.5 W				12V DC, PoE (802.3af), 6.5 W
Brackets	PC-FE, CB-FE, CPM	PC-FE, CB-FE, CPM	---	Included			Included				Included

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.

See data sheet for supported analytics. HEOP capability available in FW 5.5.90 for 2 MP and 4 MP.



# Deep Learning



Deep Learning technology algorithms are the latest innovation in video image analytic systems. Hikvision leads the way in implementing these algorithms in its new DeepinView Camera Series and DeepinMind NVR Series of products.

For years, video content analysis software has been promoted as a way to curb false alarms and improve detection and prevention in security applications. To date, most applications have lacked accuracy and reliability. Today's high-speed GPUs dramatically improve the processing of video data and Deep Learning is recognized as the future of VCA technology. Hikvision is leading the way with Deep Learning products that provide users with reliable and accurate video content analysis.

## FEATURES

- Human and vehicle detection cameras and NVRs help reduce false alarms by recognizing objects like animals, shadows or trees as non-alarm objects
- Face Capture and Face Recognition cameras and NVRs select the best quality facial image, save it for reference, and then compare it to live or recorded images.
- DeepinView cameras include all the professional camera features plus the Deep Learning algorithms.
- DeepinMind NVRs include the Deep Learning algorithms and can be used with or without DeepinView cameras.





## NETWORK CAMERAS - DEEPINVIEW SERIES

	BOX CAMERA	INDOOR DOME	OUTDOOR BULLET	OUTDOOR DOME	INDOOR DOME	
Model	Human/Vehicle Detection DarkFighter. LightFighter. EXIR 2.0 2/4 MP ONLY 	Human/Vehicle Detection DarkFighter. LightFighter. EXIR 2.0 2/4 MP ONLY 	Human/Vehicle Detection DarkFighter. LightFighter. EXIR 2.0 2/4 MP ONLY 	Human/Vehicle Detection DarkFighter. LightFighter. EXIR 2.0 2/4 MP ONLY 	Queue Management DarkFighter. LightFighter. EXIR 2.0 	Facial Recognition 
	DS-2CD7026G0-AP DS-2CD7046G0-AP DS-2CD7085G0-AP	DS-2CD7126G0-IZS DS-2CD7126G0-IZS8 DS-2CD7146G0-IZS DS-2CD7146G0-IZS8 DS-2CD7185G0-IZS DS-2CD7185G0-IZS8	DS-2CD7A26G0-IZS DS-2CD7A26G0-IZS8 DS-2CD7A46G0-IZS DS-2CD7A46G0-IZS8 DS-2CD7A85G0-IZS DS-2CD7A85G0-IZS8	DS-2CD7526G0-IZS DS-2CD7526G0-IZS8 DS-2CD7546G0-IZS DS-2CD7546G0-IZS8 DS-2CD7585G0-IZS DS-2CD7585G0-IZS8	DS-2CD7126G0/L-IZS	iDS-2CD8426G0/F-I
Megapixels	2/4/8 MP	2/4/8 MP	2/4/8 MP	2/4/8 MP	2 MP	2 MP
Min. Illumination (lux)	2/4 MP: Color: 0.002 @ f/1.2 B/W: 0.000 @ f/1.2 8 MP: Color: 0.007 @ f/1.2 B/W: 0.000 @ f/1.2	2/4 MP: Color: 0.002 @ f/1.2 B/W: 0.000 @ f/1.2 8 MP: Color: 0.007 @ f/1.2 B/W: 0.000 @ f/1.2	2/4 MP: Color: 0.002 @ f/1.2 B/W: 0.000 @ f/1.2 8 MP: Color: 0.007 @ f/1.2 B/W: 0.000 @ f/1.2	2/4 MP: Color: 0.002 @ f/1.2 B/W: 0.000 @ f/1.2 8 MP: Color: 0.007 @ f/1.2 B/W: 0.000 @ f/1.2	Color: 0.002 @ f/1.2 B/W: 0 with IR	Color: 0.089 Lux @ f/1.6 B/W: 0 Lux with IR
Lens	Auto back focus, C/CS mount	2.8 to 12 mm @ f/1.2, motorized, autofocus (IZS8 = 8 to 32 mm @ f/1.4)	2.8 to 12 mm @ f/1.2, motorized, autofocus (IZS8 = 8 to 32 mm @ f/1.4)	2.8 to 12 mm @ f/1.2, motorized, autofocus (IZS8 = 8 to 32 mm @ f/1.4)	2.8 to 12 mm @ f/1.2, motorized, autofocus	Fixed, 4 mm, 6 mm
Day/Night/BLC/WDR	2/4 MP: TRUE/Yes/140 dB 8 MP: TRUE/Yes/120 dB	2/4 MP: TRUE/Yes/140 dB 8 MP: TRUE/Yes/120 dB	2/4 MP: TRUE/Yes/140 dB 8 MP: TRUE/Yes/120 dB	2/4 MP: TRUE/Yes/140 dB 8 MP: TRUE/Yes/120 dB	TRUE/Yes/140 dB	TRUE/Yes/120 dB
IR Range Max (meters)	---	30 (8-32 mm lens = 50 m)	50 (8-32 mm lens = 100 m)	30 (8-32 mm lens = 50 m)	30	10
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Max. Image Resolution (pixels) and Frame Rate	2 MP: 1920x1080, 60 4 MP: 2560x1440, 30 8 MP: 3840x2160, 30	2 MP: 1920x1080, 60 4 MP: 2560x1440, 30 8 MP: 3840x2160, 30	2 MP: 1920x1080, 60 4 MP: 2560x1440, 30 8 MP: 3840x2160, 30	2 MP: 1920x1080, 60 4 MP: 2560x1440, 30 8 MP: 3840x2160, 30	1920x1080, 30	1920x1080, 30
Audio Input/Output	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	---	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line
Alarm Input/Output	2/2	1/1	2/2	2/2	1/1	1/1
Ratings	UL/cUL Listed	IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IK10, UL/cUL Listed	UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	40 °C to 60 °C (-40 °F to 140 °F)	40 °C to 60 °C (-40 °F to 140 °F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)
Power Requirements (max.)	24V AC, 12V DC, PoE (802.3af), 7 W	12V DC, PoE (802.3af), 8 W	12V DC, PoE (802.3af), 15 W	12V DC, PoE (802.3af), 15 W	12V DC, PoE (802.3af), 8 W	36V DC, 27 W
Brackets	WBS, PP2	PC130, WML, CPM, CPME, PM, CM, RCM-1, AB135	PM1, CM1	PC155, WML, CPM, PM1, CM1	PC130, WML, CPM, CPME, PM, CM, RCM-1, AB135	Included

Complies with ONVIF (Profile S and G), PSIA, CGI ASAPI. Contact for factory details  
See data sheet for supported analytics. HEOP capability available in FW 5.5.90 for 2 MP and 4 MP models.







## NETWORK PTZ CAMERAS - SMART PRO SERIES

	INDOOR	OUTDOOR	OUTDOOR	OUTDOOR
<b>Model</b>			DarkFighter. 	DarkFighter. 
	<b>DS-2DF5232X-AE3</b>	<b>DS-2DF5232X-AEL</b>	<b>DS-2DF6225X-AEL</b>	<b>DS-2DF6A225X-AEL</b>
<b>Megapixels</b>	2 MP	2 MP	2 MP	2 MP
<b>Min. Illumination (lux)</b>	Color: 0.05 @ f/1.6 B/W: 0.01 @ f/1.6	Color: 0.05 @ f/1.6 B/W: 0.01 @ f/1.6	Color: 0.002 @ f/1.5 B/W: 0.0002 @ f/1.5	Color: 0.002 @ f/1.5 B/W: 0.0002 @ f/1.5
<b>Lens</b>	4.5 to 144 mm, motorized zoom, autofocus	4.5 to 144 mm, motorized zoom, autofocus	5.7 to 142.5 mm, motorized zoom, autofocus	5.7 to 142.5 mm, motorized zoom, autofocus
<b>Optical Zoom</b>	32x	32x	25x	25x
<b>Pan Range</b>	360° endless	360° endless	360° endless	360° endless
<b>Tilt Range</b>	-5° to 90° (auto flip)	-5° to 90° (auto flip)	-15° to 90° (auto flip)	-20° to 90° (auto flip)
<b>Pan &amp; Tilt Speed (manual)</b>	0.1°/s to 300°/sec & 0.1°/s to 240°/sec	0.1°/s to 300°/sec & 0.1°/s to 240°/sec	0.1°/s to 300°/sec & 0.1°/s to 240°/sec	0.1°/s to 350°/sec & 0.1°/s to 240°/sec
<b>Pan &amp; Tilt Speed (preset)</b>	540°/sec. & 400°/sec.	540°/sec. & 400°/sec.	540°/sec. & 400°/sec.	540°/sec. & 400°/sec.
<b>Day/Night/BLC/WDR</b>	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB
<b>Electronic Image Stabilization</b>	Yes	Yes	Yes	Yes
<b>IR Range Max (meters)</b>	---	---	---	---
<b>Video Compression</b>	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
<b>Max. Image Resolution (pixels) and Frame Rate</b>	1920x1080, 30	1920x1080, 30	1920x1080, 30	1920x1080, 30
<b>Ratings</b>	UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed
<b>Operating Temperature Range</b>	-10°C to 50°C (14°F to 122°F)	-40° C to 65° C (-40° F to 149° F)	-40° C to 65° C (-40° F to 149° F)	-40° C to 65° C (-40° F to 149° F)
<b>Power Requirements (max.)</b>	24V AC, Hi-PoE (802.3at), 60 W, PoE Injector Included	24V AC, Hi-PoE (802.3at), 60 W, PoE Injector Included	24V AC, Hi-PoE (802.3at), 60 W, PoE Injector Included	24V AC, Hi-PoE (802.3at), 60 W, PoE Injector Included
<b>Brackets</b>	Included	CPM-S, CPM-L, CMP-JB, PMP-JB	WMP-L, CMP, PMP, JBPW-L, CPM-S	WMP-L, CMP, PMP, JBPW-L, CPM-S

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.  
See data sheet for supported analytics.

## NETWORK PTZ CAMERAS - SMART PRO SERIES





OUTDOOR				
Model	DarkFighter. 	DarkFighter. 	DarkFighter. 	
	<b>DS-2DF6A236X-AEL</b>	<b>DS-2DF6A436X-AEL</b>	<b>DS-2DF6A836X-AEL</b>	<b>DS-2DF7232IX-AELW</b>
Megapixels	2 MP	4 MP	4K	2 MP
Min. Illumination (lux)	Color: 0.002 @ f/1.5 B/W: 0.0002 @ f/1.5	Color: 0.005 @ f/1.5 B/W: 0.0005 @ f/1.5	Color: 0.005 @ f/1.5 B/W: 0.0005 @ f/1.5	Color: 0.05 @ f/1.6 B/W: 0.01 @ f/1.6
Lens	5.7 to 205.2 mm, motorized zoom, autofocus	5.7 to 205.2 mm, motorized zoom, autofocus	7.5 to 270 mm, motorized zoom, autofocus	4.5 to 144 mm, motorized zoom, autofocus
Optical Zoom	36x	36x	36x	32x
Pan Range	360° endless	360° endless	360° endless	360° endless
Tilt Range	-20° to 90° (auto flip)	-20° to 90° (auto flip)	-20° to 90° (auto flip)	-10° to 90° (auto flip)
Pan & Tilt Speed (manual)	0.1°/s to 300°/sec. & 0.1°/s to 240°/sec.	0.1°/s to 300°/sec. & 0.1°/s to 240°/sec.	0.1°/s to 300°/sec. & 0.1°/s to 240°/sec.	0.1°/s to 210°/sec. & 0.1°/s to 150°/sec.
Pan & Tilt Speed (preset)	540°/sec. & 400°/sec.	540°/sec. & 400°/sec.	540°/sec. & 400°/sec.	280°/sec. & 250°/sec.
Day/Night/BLC/WDR	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB
Electronic Image Stabilization	Yes	Yes	Yes	Yes
IR Range Max (meters)	---	---	---	150
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Image Resolution (pixels) and Frame Rate	1920x1080, 30	2592x1520, 30	4096x2160, 30	1920x1080, 30
Ratings	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature Range	-40° C to 70° C (-40° F to 158° F)	-40° C to 70° C (-40° F to 158° F)	-40° C to 70° C (-40° F to 158° F)	-40° C to 65° C (-40° F to 149° F)
Power Requirements (max.)	24V AC (Max. 60 W), Hi-PoE (Max. 50 W), PoE Injector Included	24V AC (Max. 60 W), Hi-PoE (Max. 50 W), PoE Injector Included	24V AC (Max. 60 W), Hi-PoE (Max. 50 W), PoE Injector Included	24V AC, Hi-PoE (802.3at), 60 W, PoE Injector Included
Brackets	WMP-L, CMP, PMP, JBPW-L, CPM-S	WMP-L, CMP, PMP, JBPW-L, CPM-S	WMP-L, CMP, PMP, JBPW-L, CPM-S	WMP-L, CMP, PMP, JBPW-L

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.  
See data sheet for supported analytics.









## NETWORK PTZ CAMERAS - SMART PRO SERIES

OUTDOOR				
Model	DarkFighter. 	DarkFighter. 		DarkFighter. 
	<b>DS-2DF8236IX-AELW</b>	<b>DS-2DF8236IX-AELW</b>	<b>DS-2DF8250IX-AELW</b>	<b>DS-2DF8436IX-AELW</b>
Megapixels	2 MP	2 MP	2 MP	4 MP
Min. Illumination (lux)	Color: 0.002 @ f/1.5 B/W: 0.0002 @ f/1.5	Color: 0.002 @ f/1.5 B/W: 0.0002 @ f/1.5, 0 with IR	Color: 0.05 @ f/1.8 B/W: 0.01 @ f/1.8	Color: 0.005 @ f/1.5 B/W: 0.0005 @ f/1.5
Lens	5.7 to 205.2 mm, motorized zoom, autofocus	5.7 to 205.2 mm, motorized zoom, autofocus	6.6 to 330 mm, motorized zoom, autofocus	5.7 to 205.2 mm, motorized zoom, autofocus
Optical Zoom	36x	36x	50x	36x
Pan Range	360° endless	360° endless	360° endless	360° endless
Tilt Range	-20° to 90° (auto flip)	-20° to 90° (auto flip)	-20° to 90° (auto flip)	-20° to 90° (auto flip)
Pan & Tilt Speed (manual)	0.1°/s to 210°/sec. & 0.1°/s to 150°/sec.	0.1°/s to 210°/sec. & 0.1°/s to 150°/sec.	0.1°/s to 160°/sec. & 0.1°/s to 120°/sec.	0.1°/s to 210°/sec. & 0.1°/s to 150°/sec.
Pan & Tilt Speed (preset)	280°/sec. & 250°/sec.	280°/sec. & 250°/sec.	240°/sec. & 200°/sec.	280°/sec. & 250°/sec.
Day/Night/BLC/WDR	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/92 dB
Electronic Image Stabilization	Yes	Yes	Yes	Yes
IR Range Max (meters)	200	500	500	200
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Image Resolution (pixels) and Frame Rate	1920x1080, 30	1920x1080, 30	1920x1080, 30	2560x1440, 30
Ratings	IP66, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-40° C to 65° C (-40° F to 149° F)	-40° C to 70° C (-40° F to 158° F)	-40° C to 65° C (-40° F to 149° F)	-40° C to 70° C (-40° F to 158° F)
Power Requirements (max.)	24V AC, Hi-PoE (802.3at), 60 W, PoE Injector Included	24V AC (Max. 60 W) , Hi-PoE (Max. 50 W),PoE Injector Included	24V AC, Hi-PoE (802.3at), 60 W, PoE Injector Included	24V AC (Max. 60 W) , Hi-PoE (Max. 50 W), PoE Injector Included
Brackets	WMP-L, CMP, PMP, JBPW-L	WMP-L, CMP, PMP, JBPW-L	WMP-L, CMP, PMP, JBPW-L	WMP-L, CMP, PMP, JBPW-L

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.  
See data sheet for supported analytics.

## NETWORK PTZ CAMERAS - SMART PRO SERIES

OUTDOOR				
Model	DarkFighter <sup>®</sup> 	DarkFighter <sup>®</sup> 	DarkFighter <sup>®</sup> 	DarkFighterX <sup>®</sup> 
	<b>DS-2DF8436I5X-AELW</b>	<b>DS-2DF8836IX-AELW</b>	<b>DS-2DF8836I5X-AELW</b>	<b>DS-2DF8225IH-AELW</b>
Megapixels	4 MP	4K	4K	2 MP
Min. Illumination (lux)	Color: 0.005 @ f/1.5 B/W: 0.0005 @ f/1.5	Color: 0.005 @ f/1.5 B/W: 0.0005 @ f/1.5	Color: 0.005 @ f/1.5 B/W: 0.0005 @ f/1.5	Color: 0.001 @ f/1.5 B/W: 0.0001 @ f/1.5
Lens	5.7 to 205.2 mm, motorized zoom, autofocus	7.5 to 270 mm, motorized zoom, autofocus	7.5 to 270 mm, motorized zoom, autofocus	4.8 to 120 mm, motorized zoom, autofocus
Optical Zoom	36x	36x	36x	25x
Pan Range	360° endless	360° endless	360° endless	360° endless
Tilt Range	-20° to 90° (auto flip)	-20° to 90° (auto flip)	-20° to 90° (auto flip)	-20° to 90° (auto flip)
Pan & Tilt Speed (manual)	0.1° to 210°/sec. & 0.1° to 150°/sec.	0.1° to 210°/sec. & 0.1° to 150°/sec.	0.1° to 210°/sec. & 0.1° to 150°/sec.	0.1° to 210°/sec. & 0.1° to 150°/sec.
Pan & Tilt Speed (preset)	280°/sec. & 250°/sec.	280°/sec. & 250°/sec.	280°/sec. & 250°/sec.	280°/sec. & 250°/sec.
Day/Night/BLC/WDR	TRUE/Yes/92 dB	TRUE/Yes/Digital	TRUE/Yes/92 dB	TRUE/Yes/Digital
Electronic Image Stabilization	Yes	Yes	Yes	Yes
IR Range Max (meters)	500	200	200	200
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Image Resolution (pixels) and Frame Rate	2560x1440, 30	3840x2160, 30	4096x2160, 30	1920x1080, 30
Ratings	IP67, UL/cUL Listed	IP66, UL/cUL Listed	IP67, UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature Range	-40° C to 70° C (-40° F to 158° F)	-40° C to 65° C (-40° F to 149° F)	-40° C to 70° C (-40° F to 158° F)	-40° C to 65° C (-40° F to 149° F)
Power Requirements (max.)	24V AC (Max. 60 W) , Hi-PoE (Max. 50 W), PoE Injector Included	24V AC, Hi-PoE (802.3at), 60 W, PoE Injector Included	24V AC (Max. 60 W) , Hi-PoE (Max. 50 W), PoE Injector Included	24V AC, Hi-PoE (802.3at), 60 W, PoE Injector Included
Brackets	WMP-L, CMP, PMP, JBPW-L	WMP-L, CMP, PMP, JBPW-L	WMP-L, CMP, PMP, JBPW-L	WMP-L, CMP, PMP, JBPW-L

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.  
See data sheet for supported analytics.







## MULTI-SENSOR PANOVU CAMERAS - SMART PRO SERIES

MULTI-SENSOR				
Model			DarkFighter. 	DarkFighter. 
	<b>DS-2CD6D54FWD-Z DS-2CD6D54FWD-IZHS</b>	<b>DS-2CD6D24FWD-Z DS-2CD6D24FWD-IZHS</b>	<b>DS-2CD6924F-IS</b>	<b>DS-2CD6984F-IS</b>
Megapixels	8 MP	20 MP	8 MP	32 MP
Min. Illumination (lux)	Color: 0.006 @ f/1.2, AGC ON, 0.010 @ f/1.6, AGC ON	Color: 0.006 @ f/1.2, AGC ON, 0.01 @ f/1.6, AGC ON	Color: 0.002 @ f/1.2, AGC ON, 0.007 @ f/1.8, AGC ON	Color: 0.018 Lux @ f/1.2, AGC ON, 0.001Lux @ f/1.2, AGC ON
Lens	2.8 to 12 mm	2.8 to 12 mm	4 mm	2.8 mm
Horizontal Angle of View	30° to 101°	30° to 96.3°	180°	180°
Pan/Tilt/Rotation	-180° to 180°/0° to 135°/0° to 355°	-180° to 180°/0° to 135°/0° to 355°	0° to 355°/0° to 90°/—	0° to 355°/0° to 90°/—
Day/Night/BLC/WDR	Yes/Yes/120 dB	Yes/Yes/120 dB	Yes/Yes/Digital	Yes/Yes/Digital
IR Range Max. (meters)	<b>Z:</b> --- <b>IZHS:</b> 30	<b>Z:</b> --- <b>IZHS:</b> 30	20	20
Video Compression	H.265+/H.264/MJPEG	H.265+/H.264/MJPEG	H.265+/H.264/MJPEG	H.265+/H.264/MJPEG
Max. Image Resolution (pixels)	10240x1920 (Total) 2560x1920 (Per sensor)	7920x1080 (Total) 1980x1080 (Per sensor)	<b>Panoramic:</b> 4096x1800	Panoramic 8160x3616
Motion Detection	Yes	Yes	Yes	Yes
Audio Input/Output	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line
Alarm Input/Output	2/2	2/2	2/2	2/2
Local Storage	Built-in MicroSD/SDHC/SDXC slot, up to 128 GB	Built-in MicroSD/SDHC/SDXC slot, up to 128 GB	Support MicroSD/SDHC/SDXC card (128 GB), local storage and NAS (NFS,SMB/CIFS), ANR	Support Micro SD/SDHC/SDXC card (128 GB), local storage and NAS (NFS,SMB/CIFS), ANR
Ratings	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, UL/cUL Listed	IP67, IK10 UL/cUL Listed
Operating Temperature Range	-40 °C to 60 °C (-40 °F to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F)	-30 °C to +60 °C (-22 °F to +140 °F), Humidity 95% or less
Power Requirements (max.)	<b>IZHS:</b> Hi-PoE: 42.5V DC to 57V DC, 38 W PoE Injector Included <b>Z:</b> 24V AC, 12V DC, PoE+ (802.3at) 17 W	<b>IZHS:</b> Hi-PoE: 42.5V DC to 57V DC, 38 W PoE Injector Included <b>Z:</b> 24V AC, 12V DC, PoE+ (802.3at) 17 W	12V DC, 1.5A, max. 18 W PoE (802.3at, 42.5V to 57V), 0.6A to 0.4A, max. 25 W	12V DC, 1.5A, max. 18 W PoE (802.3at, 42.5V to 57V), 0.6A to 0.4A, max. 25 W
Brackets	WMP-L, WMP-PV, CMP, PMP	WMP-L, WMP-PV, CMP, PMP	WMP-L, WMP-PV, PM, CM	WMP-L, WMP-PV, PM, CM

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.  
See data sheet for supported analytics.

## MULTI-SENSOR PANOVO CAMERAS - SMART PRO SERIES

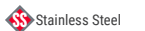
	PANOVO	INDOOR	OUTDOOR	
Model			DarkFighter. 	DarkFighter. 
	<b>DS-2PT5326IZ-DE</b>	<b>DS-2PT3326IZ-DE3</b>	<b>DS-2DP1636ZIX-D</b>	<b>DS-2DP0818ZIX-D</b>
Megapixels	8 MP	8 MP	18 MP	10 MP
Min. Illumination (lux)	<b>Panoramic:</b> Color: 0.005 @ f/1.6, AGC ON <b>PTZ:</b> Color: 0.005 @ f/1.6, AGC ON	<b>Panoramic:</b> Color: 0.05 @ f/2.0, AGC ON <b>PTZ:</b> Color: 0.05 @ f/2.0, AGC ON	<b>Panoramic:</b> Color: 0.005 @ f/2.0, AGC ON, <b>PTZ:</b> Color: 0.002 @ f/1.5, AGC ON	<b>Panoramic:</b> Color: 0.005 @ f/2.0, AGC ON, <b>PTZ:</b> Color: 0.002 @ f/1.5, AGC ON
Lens	<b>Panoramic:</b> 4 mm <b>PTZ:</b> 5 to 50 mm	<b>Panoramic:</b> 2 mm <b>PTZ:</b> 2.8 to 12 mm	<b>Panoramic:</b> 5 mm <b>PTZ:</b> 5.6 to 208 mm, 36x optical zoom	<b>Panoramic:</b> 5 mm <b>PTZ:</b> 5.6 to 208 mm, 36x optical zoom
Horizontal Angle of View	80.7° x 3	128.5° x 3	360°	180°
Pan/Tilt/Rotation	0° to 340°/0° to 90°/---	0° to 350°/0° to 90°/---	360°/-15° to 90°/--	360°/-15° to 90°/--
Day/Night/BLC/WDR	Yes/Yes/Digital	Yes/Yes/Digital	Yes/No/Digital	Yes/No/Digital
IR Range Max. (meters)	<b>Panoramic:</b> 30 <b>PTZ:</b> 50	10	200	200
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265+/H.265/H.264+/ H.264/MJPEG	H.265+/H.265/H.264+/ H.264/MJPEG
Max. Image Resolution (pixels)	<b>Fixed:</b> 7920x1080 (Total) <b>PTZ:</b> 1920x1080	<b>Panoramic:</b> 7920x1080 <b>PTZ:</b> 1920x1080	<b>Panoramic:</b> 2x 4096x1800 <b>PTZ:</b> 1920x1080	<b>Panoramic:</b> 4096x1800 <b>PTZ:</b> 1920x1080
Motion Detection	Yes	Yes	Yes	Yes
Audio Input/Output	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line
Alarm Input/Output	1/1	---	7/2	7/2
Local Storage	Built-in memory card slot, support MicroSD/SDHC/SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 128 GB	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 128 GB
Ratings	IP66, UL/cUL Listed	UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature Range	-30°C to 65°C (-22°F to 149°F)	-10° C to 50° C (14° F to 122° F)	-40° C to 70° C (-40° F to 158° F)	-40° C to 70° C (-40° F to 158° F)
Power Requirements (max.)	12V DC & PoE+ (802.3 at, class 4) Max. 27 W (Max. 9 W for IR)	12V DC & PoE+ (802.3 at, class 4), Max. 24 W (Max. 6 W for IR)	36V DC, Max.130 W - PSU included	36V DC, Max.130 W - PSU included
Brackets	WMP-L, PMP-L, CMPL	WMP-PM, CPM-PM	WMP-PV, RPM	WMP-PV, RPM

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.  
See data sheet for supported analytics.

## SPECIALTY NETWORK DOME AND PTZ CAMERAS - SMART PRO SERIES








	OUTDOOR DOME				OUTDOOR BULLET			
Model								
	DS-2XC6122FWD-IS				DS-2XC6142FWD-IS			
Megapixels	2 MP				4 MP			
Min. Illumination (lux)	Color: 0.01 @ f/1.2 B/W: 0.028 @ f/2.0				Color: 0.01 @ f/1.2 B/W: 0.028 @ f/2.0			
Lens	2.8 mm	4 mm	6 mm		4 mm	6 mm		
Horizontal Angle of View	100°	91°	60°		83°	55.4°		
Pan/Tilt/Rotation	0° to 75°/-30° to 30°/0° to 360°				0° to 75°/-30° to 30°/0° to 360°			
Day/Night/BLC/WDR	TRUE/Yes/120 dB				TRUE/Yes/120 dB			
IR Range Max (meters)	10				10			
Video Compression	H.265+/H.265/H.264+/H.264				H.265+/H.265/H.264+/H.264			
Max. Image Resolution (pixels)	1920x1080				2560x1440			
Frame Rate (fps)	24 @ 1920x1080, 1280x960, 1280x720				24 @ 2560x1440, 1920x1080, 1280x720, 528x384			
Multi-Streaming	Triple				Triple			
Image Enhancement	3D DNR, AWB, Defog				3D DNR, AWB, Defog			
Motion Detection	Yes				Yes			
Audio Input/Output	---				---			
Alarm Input/Output	1/1				1/1			
Local Storage	MicroSD 128 GB max.				MicroSD 128 GB max.			
Ratings	316L Stainless Steel, IP67, UL/cUL Listed, Anti-corrosion, NEMA 4X, WF2, C5-M				316L Stainless Steel, IP67, UL/cUL Listed, Anti-corrosion, NEMA 4X, WF2, C5-M			
Operating Temperature Range	-30° C to 60° C (-40° F to 140° F)				-30° C to 60° C (-40° F to 140° F)			
Power Requirements (max.)	12V DC, PoE (802.3af), 5 W				12V DC, PoE (802.3af), 5 W			
Brackets	JBM-SS, WB-XC				JBM-SS, WB-XC			

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.  
See data sheet for supported analytics.






## SPECIALTY NETWORK DOME AND PTZ CAMERAS - SMART PRO SERIES

	OUTDOOR BULLET		DETENTION GRADE CORNER MOUNT	OUTDOOR EXPLOSION PROOF BULLET				
Model	DarkFighter. 	DarkFighter. 		Explosion Proof 				
								
	DS-2CD6626B/E-HIR5	DS-2CD6626B/E-HIRA	DS-2CD6W32FWD-IVSD	DS-2XE6222F-IS				
Megapixels	2 MP	2 MP	3 MP	2 MP				
Min. Illumination (lux)	Color: 0.002 @ f/1.2, AGC On B/W: 0.0002 @ f/1.2, AGC On	Color: 0.002 @ f/1.2, AGC On B/W: 0.0002 @ f/1.2, AGC On	Color: 0.1 @ f/1.2, AGC On B/W: 0 with IR	Color: 0.01 @ f/1.2 B/W: 0.001 @ f/1.2				
Lens	3.8 to 16 mm	11 to 40 mm	2 mm	4 mm	6 mm	8 mm	12 mm	16 mm
Horizontal Angle of View	---	---	135° x 98° (H x V)	91°	60°	41.5°	26.6°	20.6°
Pan/Tilt/Rotation	---	---	---	---	---	---	---	---
Day/Night/BLC/WDR	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB				
IR Range Max (meters)	50	100	10 (980 nm invisible IR)	30				
Video Compression	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.265/H.264				
Max. Image Resolution (pixels) and Frame Rate	1920x1080, 60	1920x1080, 60	2048x1536, 30	1920x1080, 30				
Multi-Streaming	Triple	Triple	Dual	Triple				
Image Enhancement	3D DNR, BLC, AWB, WDR, EIS, Defog	3D DNR, AWB, WDR, EIS, Defog	3D DNR	BLC/3D DNR				
Motion Detection	Yes	Yes	---	Yes				
Audio Input/Output	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line	---				
Alarm Input/Output	1/1	1/1	1/1	2/2				
Local Storage	MicroSD 128 GB max.	MicroSD 128 GB max.	MicroSD 64 GB max.	MicroSD, 128 GB max.				
Ratings	316L Stainless Steel, IP67, IK10, UL/cUL Listed, Anti-corrosion, NEMA 4X, WF2, C5-M	316L Stainless Steel, IP67, IK10, UL/cUL Listed, Anti-corrosion, NEMA 4X, WF2, C5-M	Aluminum, IP66, IK10, UL/cUL Listed,	NEMA 4X, C5-M, 316L, ATEX, IECEx				
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)				
Power Requirements (max.)	24V AC, 60 W	24V AC, 60 W	12V DC, PoE (802.3af), 12 W	100V AC to 240V AC, PoE (802.3af), 6 W				
Brackets	JBM-SS, WB-SS	JBM-SS, WB-SS	Included	WB-SS				

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.  
See data sheet for supported analytics.





## SPECIALTY NETWORK DOME AND PTZ CAMERAS - SMART PRO SERIES

### OUTDOOR UPRIGHT PTZ

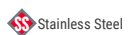
Model	DarkFighter.	DarkFighter.	DarkFighter.	DarkFighter.
				
	<b>DS-2DY5223IW-AE</b>	<b>DS-2DY9236X-A</b>	<b>DS-2DY9236IX-A</b>	<b>DS-2DY9236I8X-A</b>
Megapixels	2 MP	2 MP	2 MP	2 MP
Min. Illumination (lux)	Color: 0.002 @ f/1.5, AGC On B/W: 0.0002 @ f/1.5, AGC On	Color: 0.002 @ f/1.5, AGC On B/W: 0.0002 @ f/1.5, AGC On	Color: 0.002 @ f/1.5, AGC On B/W: 0.0002 @ f/1.5, AGC On	Color: 0.002 @ f/1.5, AGC On B/W: 0.0002 @ f/1.5, AGC On
Lens	5.9 to 135.7 mm motorized zoom, autofocus	5.6 to 207 mm, motorized zoom, autofocus	5.6 to 207 mm, motorized zoom, autofocus	5.6 to 207 mm, motorized zoom, autofocus
Optical Zoom	23x	36x	36x	36x
Pan Range	360° endless	360° endless	360° endless	360° endless
Tilt Range	-90° to 90°	-40° to 90°	-40° to 90°	-40° to 90°
Pan & Tilt Speed (manual)	0.1° to 200°/sec. & 0.1° to 50°/sec.	0.1° to 100°/sec. & 0.1° to 40°/sec.	0.1° to 100°/sec. & 0.1° to 40°/sec.	0.1° to 100°/sec. & 0.1° to 40°/sec.
Pan & Tilt Speed (preset)	540°/sec. & 400°/sec.	100°/sec. & 100°/sec.	100°/sec. & 100°/sec.	100°/sec. & 100°/sec.
Day/Night/BLC/WDR	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB
Electronic Image Stabilization	Yes	Yes	Yes	Yes
IR Range Max (meters)	150	---	200	800
Video Compression	H.264/MJPEG	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Image Resolution (pixels) and Frame Rate	1920x1080, 30	1920x1080, 60	1920x1080, 60	1920x1080, 60
Material/Ratings	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature Range	-40° C to 65° C (-40° F to 149° F)	-40° C to 70° C (-40° F to 158° F)	-40° C to 70° C (-40° F to 158° F)	-40° C to 70° C (-40° F to 158° F)
Power Requirements (max.)	24V AC, Hi-PoE (802.3at), 45 W, PoE Injector Included	24V AC, 70 W	24V AC, 110 W	24V AC, 110 W
Brackets	WBPT-S	WBPT	WBPT	WBPT

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.  
See data sheet for supported analytics.

## SPECIALTY NETWORK DOME AND PTZ CAMERAS - SMART PRO SERIES

	OUTDOOR UPRIGHT PTZ		OUTDOOR EXPLOSION PROOF PTZ	STAINLESS OUTDOOR PTZ
Model				
	DS-2DY9250X-A	DS-2DY9250IAX-A	DS-2DF6223-CX	DS-2DT6223-AELY
Megapixels	2 MP	2 MP	2 MP	2 MP
Min. Illumination (lux)	Color: 0.05 @ f/1.8 B/W: 0.01 @ f/1.8	Color: 0.05 @ f/1.8 B/W: 0.01 @ f/1.8	Color: 0.002 @ f/1.5 B/W: 0.0002 @ f/1.5	Color: 0.002 @ f/1.5, AGC On B/W: 0.0002 @ f/1.5 AGC On
Lens	6.6 to 330 mm, motorized zoom, autofocus	6.6 to 330 mm, motorized zoom, autofocus	5.9 to 135.7 mm, motorized zoom, autofocus	5.9 to 135.7 mm motorized zoom, autofocus
Optical Zoom	50x	50x	23x	23x
Pan Range	---	---	360° endless	360° endless
Tilt Range	-40° to 90°	-40° to 90°	0° to 90° (Auto Flip)	-20° to 90° (auto flip)
Pan & Tilt Speed (manual)	0.1° to 100°/sec. & 0.1° to 50°/sec.	0.1° to 100°/sec. & 0.1° to 50°/sec.	0.1°/s to 300°/sec. & 0.1°/s to 240°/sec.	0.1° to 300°/sec. & 0.1° to 240°/sec.
Pan & Tilt Speed (preset)	100°/sec. & 100°/sec.	100°/sec. & 100°/sec.	540°/sec. & 400°/sec.	540°/sec. & 400°/sec.
Day/Night/BLC/WDR	TRUE/Yes/Digital	TRUE/Yes/Digital	TRUE/Yes/120 dB	TRUE/Yes/120 dB
Electronic Image Stabilization	Yes	Yes	Yes	Yes
IR Range Max (meters)	---	1000 (laser)	---	---
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.264/MJPEG/MPEG4
Max. Image Resolution (pixels) and Frame Rate	1920x1080, 60	1920x1080, 60	1920x1080, 60	1920x1080, 30
Material/Ratings	IP66, UL/cUL Listed	IP66, UL/cUL Listed	316L, ATEX, IECEx	316L Stainless Steel, IP67, IK10,UL/cUL Listed Anti-corrosion, NEMA 4X, WF2, C5-M
Operating Temperature Range	-40° C to 70° C (-40° F to 158° F)	-40° C to 70° C (-40° F to 158° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 65° C (-40° F to 149° F)
Power Requirements (max.)	24V AC, 110 W	24V AC, 110 W	100V AC to 240V AC, Max: 60 W	24V AC, Hi-PoE (802.3at), 60 W, PoE Injector Included
Brackets	WBPT	WBPT	WMP-SS, CPM-SS	WMP-SS, CPM-SS

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.  
See data sheet for supported analytics.



## THERMAL CAMERAS - SMART PRO SERIES

OUTDOOR BULLET														
Model	RESOLUTION: Low		RESOLUTION: Medium					RESOLUTION: High				RESOLUTION: High		
														
	DS-2TD2117-3/V1 DS-2TD2117-6/V1		DS-2TD2136-7 DS-2TD2136-10 DS-2TD2136-15 DS-2TD2136-25 DS-2TD2136-35					DS-2TD2166-7 DS-2TD2166-15 DS-2TD2166-25 DS-2TD2166-35				DS-2TD2336-50 DS-2TD2336-75 DS-2TD2336-100		
Thermal Pixels, Pitch, Sensor	160x120, 17 μm, Vanadium Oxide UFPA		384x288, 17 μm, Vanadium Oxide UFPA					640x512, 17 μm, Vanadium Oxide UFPA				384x288 /17 μm, Vanadium Oxide UFPA		
Spectral Response, NETD	8 to 14 μm, < 40mk @ 25°C		8 to 14 μm, < 35mk @ 25°C					8 to 14 μm, < 40mk @ 25°C				8 to 14 μm, < 40mk @ 25°C		
Frame Rate @ Resolution	5 fps @ 384x288 (upscaled) (main, sub and third stream)		50 fps @ 384x288 (main, sub and third stream)					50 fps @ 384x288 (main, sub and third stream)				50 fps @ 640x512 (main, sub and third stream)		
Lens Focal Length	3.1 mm	6.2 mm	7 mm	10 mm	15 mm	25 mm	35 mm	7 mm	15 mm	25 mm	35 mm	50 mm	75 mm	100 mm
Field of View (HxV)	(51°x37.2°)	(25°x18.7°)	(60°x43.8°)	(36°x27°)	(24.6°x18.5°)	(14.9°x11.2°)	(10.7°x8.0°)	(88.5°x73.2°)	(42.5°x33.6°)	(24.6°x19.8°)	(17.7°x14.2°)	(7.5°x5.6°)	(5.0°x3.7°)	(3.74°x2.8°)
IFOV (mRad), Min. Focus Distance	5.48, 0.2 m	2.74, 0.6 m	2.42, 0.8 m	1.7, 1.0 m	1.13, 2.5 m	0.68, 13 m	0.49, 40 m	2.42, 0.8 m	1.13, 2.5 m	0.68, 13 m	0.49, 40 m	0.34, 7.5 m	0.23, 8.0 m	0.17, 10 m
Video Compression	H.265+/H.265/H.264+/H.264/ MJPEG		H.265+/H.265/H.264+/H.264/MJPEG					H.265+/H.265/H.264+/H.264/MJPEG				H.265+/H.265/H.264+/H.264/MJPEG		
Image Enhancement	3D DNR, Adaptive AGC, DDE, 15 Palettes		3D DNR, Adaptive AGC, DDE, 15 Palettes					3D DNR, Adaptive AGC, DDE, 15 Palettes				3D DNR, Adaptive AGC, DDE, 15 Palettes		
Alarm on Temperature	Monitor 10 points, 10 regions and 1 line within -20–150°C, ±8°C accuracy		Monitor 10 points, 10 regions and 1 line within -20–150°C, ±8°C accuracy					Monitor 10 points, 10 regions and 1 line within -20–150°C, ±8°C accuracy				Monitor 10 points, 10 regions and 1 line within -20–150°C, ±8°C accuracy		
Accurate Fire Detection	10 detection points²		10 detection points²					10 detection points²				10 detection points²		
Alarm I/O, Audio I/O	2/2, 1/1		2/2, 1/1					2/2, 1/1				2/2, 1/1		
Ratings	IP66 UL/cUL Listed		IP66 UL/cUL Listed					IP66 UL/cUL Listed				IP66 UL/cUL Listed		
Operating Temperature Range	-40° C to 65° C (-40° F to 149° F)		-40° C to 65° C (-40° F to 149° F)					-40° C to 65° C (-40° F to 149° F)				-40° C to 65° C (-40° F to 149° F)		
Power Requirements (max.)	12V DC, PoE (802.3af), 8 W		12V DC, 24V AC, PoE+ (802.3at), 8 W (20 W with De-icing Heater On)					12V DC, 24V AC, PoE+ (802.3at), 8 W (22 W with De-icing Heater On)				12V DC, 24V AC, 8 W (22 W with De-icing Heater On)		

Integration Note: All models on this page are ONVIF Profile S and G conformant and support RTSP, RTP, ISAPI (RESTful), Hikvision SDK and third party VMS.

1. Smart Suite: Refer to Data Sheet. Only available in VCA + Temperature Alarm mode.

2. Fire detection is only available in Temperature Alarm + Fire Detection mode.

## THERMAL CAMERAS - SMART PRO SERIES

	OUTDOOR BULLET			THERMOGRAPHY BULLET			THERMOGRAPHY BULLET		ANTI-CORROSION BULLET	
Model	RESOLUTION: High 			RESOLUTION: Medium 			RESOLUTION: High 		RESOLUTION: High 	
	DS-2TD2366-50 DS-2TD2366-75 DS-2TD2366-100			DS-2TD2136T-10 DS-2TD2136T-15 DS-2TD2136T-25			DS-2TD2166T-15 DS-2TD2166T-25		DS-2TD2466-25Y DS-2TD2466-50Y	
Thermal Pixels, Pitch, Sensor	640x512, 17 µm, Vanadium Oxide UFPA			384x288, 17 µm, Vanadium Oxide UFPA			640x512, 17 µm, Vanadium Oxide UFPA		640x512, 17 µm, Vanadium Oxide UFPA	
Spectral Response, NETD	8 to 14 µm, < 40mk @ 25°C			8 to 14 µm, < 40mk @ 25°C			8 to 14 µm, < 40mk @ 25°C		8 to 14 µm, < 40mk @ 25°C	
Frame Rate @ Resolution	50 fps @ 640x512 (main, sub and third stream)			50 fps @ 384x288 (main, sub and third stream)			50 fps @ 640x512 (main, sub and third stream)		50 fps @ 640x512 (main, sub and third stream)	
Lens Focal Length	50 mm	75 mm	100 mm	10 mm	15 mm	25 mm	15 mm	25 mm	25 mm	50 mm
Field of View (HxV)	(12.4°x10.0°)	(8.30°x6.64°)	(6.23°x4.98°)	(37.2°x28.3°)	(24.6°x18.5°)	(14.9°x11.2°)	(42.5°x33.6°)	(24.6°x19.8°)	(24.6°x19.8°)	(12.4°x10.0°)
IFOV (mRad), Min. Focus Distance	0.34, 7.5 m	0.23, 8.0 m	0.17, 10 m	1.7, 1.0 m	1.13, 2.5 m	0.68, 13 m	1.13 2.5 m	0.68, 13 m	0.68, 2 m	0.34, 5 m
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG			H.265+/H.265/H.264+/H.264/MJPEG			H.265+/H.265/H.264+/H.264/MJPEG		H.265+/H.265/H.264+/H.264/MJPEG	
Image Enhancement	3D DNR, Adaptive AGC, DDE, 15 Palettes			3D DNR, Adaptive AGC, DDE, 15 Palettes			3D DNR, Adaptive AGC, DDE, 15 Palettes		3D DNR, Adaptive AGC, DDE, 15 Palettes	
Alarm on Temperature	Monitor 10 points, 10 regions and 1 line within -20~150°C, ±8°C accuracy			Monitor 10 points, 10 regions and 1 line within -20~550°C, Max (±2°C, ±2%) accuracy			Monitor 10 points, 10 regions and 1 line within -20~550°C, Max (±2°C, ±2%) accuracy		Monitor 10 points, 10 regions and 1 line within -20~150°C, ±8°C accuracy	
Accurate Fire Detection	10 detection points <sup>2</sup>			10 detection points <sup>2</sup>			10 detection points <sup>2</sup>		10 detection points <sup>2</sup>	
Alarm I/O, Audio I/O	2/2, 1/1			2/2, 1/1			2/2, 1/1		2/2, 1/1	
Ratings	IP66 UL/cUL Listed			IP66 UL/cUL Listed			IP66, UL/cUL Listed		IP66, UL/cUL Listed	
Operating Temperature Range	-40° C to 65° C (-40° F to 149° F)			-40° C to 65° C (-40° F to 149° F)			-40° C to 65° C (-40° F to 149° F)		-40° C to 65° C (-40° F to 149° F)	
Power Requirements (max.)	12V DC, 24V AC, 8 W (22 W with De-icing Heater On)			12V DC, 24V AC, PoE+ (802.3at), 8 W (20 W with De-icing Heater On)			12V DC, 24V AC, 8 W (22 W with De-icing Heater On)		12V DC, 24V AC, 10 W (22 W with De-icing Heater On)	

Integration Note: All models on this page are ONVIF Profile S and G conformant and support RTSP, RTP, ISAPI (RESTful), Hikvision SDK and third party VMS.

1. Smart Suite: Refer to Data Sheet. Only available in VCA + Temperature Alarm mode.

2. Fire detection is only available in Temperature Alarm + Fire Detection mode.





## THERMAL-OPTICAL CAMERAS - SMART PRO SERIES




OUTDOOR TURRET				OUTDOOR BULLET											
Model	RESOLUTION: Low			RESOLUTION: Low		RESOLUTION: Medium		RESOLUTION: High		RESOLUTION: High					
															
	DS-2TD1217-2/V1 DS-2TD1217-3/V1 DS-2TD1217-6/V1			DS-2TD2617-3/V1 DS-2TD2617-6/V1		DS-2TD2636-10 DS-2TD2636-15		DS-2TD2866-25 DS-2TD2866-50		DS-2TD2235D-25 DS-2TD2235D-50					
THERMAL	Thermal Pixels, Pitch, Sensor			160x120, 17 μm, Vanadium Oxide UFPA		160x120, 17 μm, Vanadium Oxide UFPA		384x288, 17 μm, Vanadium Oxide UFPA		640x512, 17 μm, Vanadium Oxide UFPA		384x288 / 25 μm, Vanadium Oxide UFPA			
	Spectral Response, NETD			8 to 14 μm, < 40 mk @ 25°C		8 to 14 μm, < 40 mk @ 25°C		8 to 14 μm, < 40 mk @ 25°C		8 to 14 μm, < 40 mk @ 25°C		8 to 14 μm, < 50 mk @ 25°C			
	Frame Rate @ Resolution			25 fps @ 320x240 (upscaled)		25 fps @ 320x240 (upscaled)		50 fps @ 384x288		50 fps @ 640x512		50 fps @ 384x288			
	Lens Focal Length			1.8 mm	3.1 mm	6.2 mm	3.1 mm	6.2 mm	10 mm	15 mm	25 mm	50 mm	25 mm	50 mm	
	Field of View (HxV)			(90.0°x66.4°)	(50.0°x37.2°)	(25.0°x18.7°)	(50.0°x37.2°)	(25.0°x18.7°)	(37.7°x28.7°)	(24.2°x18.7°)	(24.6°x19.8°)	(12.4°x10.0°)	21.7°x16.4°	11.0°x8.2°	
	IFOV (mRad), Min. Focus Distance			9.44, 0.1 m	5.48, 0.2 m	2.83, 0.6 m	5.48, 0.2 m	2.74, 0.6 m	1.70, 1.0 m	1.13, 2.5 m	0.68, 13 m	0.34, 50 m	0.68, 13 m	0.34, 50 m	
OPTICAL	Optical Sensor			2 MP, 1/2.7" CMOS		2 MP, 1/2.8" CMOS		2 MP, 1/2.8" CMOS		2 MP, 1/2.8" CMOS		2 MP, 1/1.8" CMOS		2 MP, 1/2.8" CMOS	
	Frame Rate @ Resolution			30 fps @ 1920x1080, 1280x960, 1280x720		30 fps @ 1920x1080, 1280x960, 1280x720		30 fps @ 1920x1080, 1280x960, 1280x720		30 fps @ 1920x1080, 1280x960, 1280x720		30 fps @ 1920x1080, 1280x960, 1280x720		30 fps @ 1920x1080, 1280x960, 1280x720	
	Min. Illumination (lux)			Color: 0.002 Lux @ f/1.5, AGC On B/W: 0.0002 Lux @ f/1.5, AGC On		Color: 0.002 Lux @ f/1.5, AGC On B/W: 0.0002 Lux @ f/1.5, AGC On		Color: 0.002 Lux @ f/1.5, AGC On B/W: 0.0002 Lux @ f/1.5, AGC On		Color: 0.001 Lux @ f/1.2, AGC On B/W: 0.0001 Lux @ f/1.2, AGC On		Color: 0.002 Lux @ f/1.2, AGC On B/W: 0.0002 Lux @ f/1.2, AGC On		Color: 0.002 Lux @ f/1.2, AGC On B/W: 0.0002 Lux @ f/1.2, AGC On	
	Lens, Field of View (HxV)			2.1 mm	4 mm (87°x46.2°)	6 mm (53°x30°)	4 mm (87°x46.2°)	6 mm (53°x30°)	6 mm (52.8°x30.0°)	8 mm (40.0°x22.4°)	7 mm (43°x25°)	13 mm (24°x13.7°)	7 mm (43°x25°)	13 mm (24°x13.7°)	
	IR Range Max (meters)			15		40		40		100		120			
	Video Compression			H.265+/H.265/H.264+/H.264/MJPEG		H.265+/H.265/H.264+/H.264/MJPEG		H.265+/H.265/H.264+/H.264/MJPEG		H.265+/H.265/H.264+/H.264/MJPEG		H.264+/H.264/MJPEG			
	Image Enhancement			Image Fusion, PiP, 120dB WDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes		Image Fusion, PiP, DWDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes		Image Fusion, PiP, DWDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes		Image Fusion, PiP, 120dB WDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes		Image Fusion, PiP, 120dB WDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes			
	Alarm on Temperature			Monitor 10 points, 10 regions and 1 line within -20~150°C, ±8°C accuracy		Monitor 10 points, 10 regions and 1 line within -20~150°C, ±8°C accuracy		Monitor 10 points, 10 regions and 1 line within -20~150°C, ±8°C accuracy		Monitor 10 points, 10 regions and 1 line within -20~150°C, ±8°C accuracy		Monitor 10 points, 10 regions and 1 line within -20~150°C, ±8°C accuracy			
	Accurate Fire Detection			10 detection points²		10 detection points²		10 detection points²		10 detection points²		10 detection points²			
	Alarm I/O, Audio I/O			1/1, 1/1		2/2, 1/1		2/2, 1/1		2/2, 1/1		2/2, 1/1			
Ratings			IP67 UL/cUL Listed		IP66 UL/cUL Listed		IP66 UL/cUL Listed		IP66 UL/cUL Listed		IP66 UL/cUL Listed				
Operating Temperature Range			-30° C to 60° C (-22° F to 140° F)		-40° C to 60° C (-40° F to 140° F)		-40° C to 60° C (-40° F to 140° F)		-40° C to 60° C (-40° F to 140° F)		-40° C to 60° C (-40° F to 140° F)				
Power Requirements (max.)			12V DC, PoE (802.3af), 8.5 W		12V DC, PoE (802.3af), 12 W		12V DC, 24V AC, PoE+ (802.3at), 10 W (20 W with De-icing Heater On)		12V DC, 24V AC, PoE+ (802.3at), 16 W (24 W with De-icing Heater On)		24V AC, PoE+ (802.3at), 16 W (24 W with De-icing Heater On)				

Integration Note: All models on this page are ONVIF Profile S and G conformant and support RTSP, RTP, ISAPI (RESTful), Hikvision SDK and third party VMS.

1. Smart Suite: Refer to Data Sheet. Only available in VCA + Temperature Alarm mode.

2. Fire detection is only available in Temperature Alarm + Fire Detection mode.

## THERMAL-OPTICAL PTZ CAMERAS - SMART PRO SERIES

OUTDOOR PTZ DOME					
Model	RESOLUTION: Medium		RESOLUTION: Medium		RESOLUTION: High
					
	DS-2TD4035D-25 DS-2TD4035D-50		DS-2TD4136-25 DS-2TD4136-50		DS-2TD4166-25 DS-2TD4166-50
Thermal Pixels, Pitch, Sensor	384x288, 17 µm, Vanadium Oxide UFPA		384x288, 17 µm, Vanadium Oxide UFPA		640x512, 17 µm, Vanadium Oxide UFPA
Spectral Response, NETD	8 to 14 µm, < 50mk(@25°C		8 to 14 µm, < 40 mK @ 25°C	8mm to 14mm / <50mK	8 to 14 µm, < 40 mK @ 25°C
Frame Rate @ Resolution	25 fps @ 1280x720, 704x546, 384x288		50 fps @ 384x288	Thermal: 25 @ 384x288 Visible: 30 @ 1920x1080, 1280x960, 1280x720	50 fps @ 640x512
Lens Focal Length	25 mm	50 mm	25 mm	50 mm	25 mm      50 mm
Field of View (H°xV°)	21.7°x16.4°	11.0°x8.2°	(15°x11°)	(7.47°x5.61°)	14.9°x11.2°      12.4°x10.0°
IFOV (mRad), Min. Focus Distance	0.6, 1.5m	0.6, 13m	0.68, 13 m	0.34, 50 m	0.68, 2 m      0.34, 7.5 m
Optical Sensor	2 MP, 1/2.8" CMOS		36X/16X	1/2.8" progressive scan CMOS/2 MP	2 MP, 1/1.9" CMOS
Frame Rate @ Resolution	30 fps @ 1920x1080, 1280x960, 1280x720		30 fps @ 1920x1080, 1280x960, 1280x720	Thermal: 25 @ 384x288 Visible: 30 @ 1920x1080, 1280x960, 1280x720	30 fps @ 1920x1080, 1280x960, 1280x720
Min. Illumination (lux) without IR	Color: 0.3 @ f/1.6 B/W: 0.02 @ f/1.6		Color: 0.002 @ f/1.5, AGC On B/W: 0.0002 @ f/1.5, AGC On	Color: 0.3 @ f/1.6, 1/30 sec, 50 IRE, AGC On B/W: 0.02 @ f/1.6, 1/30 sec, 50 IRE, AGC On (True Day/Night)	Color: 0.002 lux @ f/1.5, AGC On B/W: 0.0002 lux @ f/1.5, AGC On
IR Range Max (Meters)	150		200		200
Lens	4.3 to 129.0 mm, motorized zoom, autofocus		5.7–205.2 mm, 36x zoom		5.7–205.2 mm
Total Zoom	30x/16x		36x/16x		36x zoom
Pan, Tilt Range	360° endless, -5° to 90° (auto flip)		360° endless, -20° to 90° (auto flip)	360° endless	360° endless, -15° to 90°
Max. Presets, Tours, Patterns	300, 8, 4		300, 8, 4		300, 8, 4
Video Compression	H.264+/H.264		H.265+/H.265/H.264+/H.264/MJPEG	H.264 (Base/Main/High Profile) /MJPEG/MPEG4	H.264+/H.264/MJPEG
Image Enhancement	120dB WDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes		120dB WDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes		120dB WDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes
Alarm on Temperature	Monitor 10 points, 10 regions and 1 line within -20–150°C, ±8°C accuracy		Monitor (10 points, 10 regions and 1 line) x 273 scenes within -20–150°C, ±8°C accuracy		Monitor (10 points, 10 regions and 1 line) x 273 scenes within -20–150°C, ±8°C accuracy
Accurate Fire Detection	10 detection points²		10 detection points²		10 detection points²
Alarm I/O, Audio I/O	7/2, 1/1		7/2, 1/1		7/2, 1/1
Ratings	IP66 UL/cUL Listed		IP66 UL/cUL Listed		IP66 UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)		-40° C to 60° C (-40° F to 140° F)		-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	24V AC		24V AC, 60 W		24V AC, 60 W



Integration Note: All models on this page are ONVIF Profile S and G conformant and support RTSP, RTP, ISAPI (RESTful), Hikvision SDK and third party VMS.

1. Smart Suite: Refer to Data Sheet. Only available in VCA + Temperature Alarm mode.

2. Fire detection is only available in Temperature Alarm + Fire Detection mode.



## THERMAL-OPTICAL PTZ CAMERAS - SMART PRO SERIES

OUTDOOR PTZ DOME				
Model	RESOLUTION: Medium		RESOLUTION: Medium	
		DS-2TD6135-50B2L		DS-2TD6236-75C2L
THERMAL	Thermal Pixels, Pitch, Sensor	384x288, 17 µm, Vanadium Oxide UFPA	640x512, 17 µm, Vanadium Oxide UFPA	640x512, 17 µm, Vanadium Oxide UFPA
	Spectral Response, NETD	8 to 14 µm, < 40 mK @ 25°C	8 to 14 µm, < 40 mK @ 25°C	8 to 14 µm, < 40 mK @ 25°C
	Frame Rate @ Resolution	25 fps @ 384x288	50 fps @ 640x512	50 fps @ 640x512
	Lens Focal Length	50 mm	75 mm	50 mm      75 mm
	Field of View (H°xV°)	10.97° x 8.24°	4.98° x 3.74°	(12.4°x9.95°)      (8.3°x6.64°)
	IFOV (mRad), Min. Focus Distance	0.5, 7.5 m	0.23, 8 m	0.34, 7.5 m      0.23, 8 m
OPTICAL	Optical Sensor	2 MP, 1/2.8" CMOS	2 MP, 1/2.8" CMOS	2 MP, 1/2.8" CMOS
	Frame Rate @ Resolution	30 fps @ 1920x1080, 1280x960, 1280x720	30 fps @ 1920x1080, 1280x960, 1280x720	30 fps @ 1920x1080, 1280x960, 1280x720
	Min. Illumination (lux) without IR	Color: 0.02 lux @ f/1.5 B/W: 0.002 Lux @ f/1.5	Color: 0.02 lux @ f/1.5 B/W: 0.002 Lux @ f/1.5	Color: 0.02 lux @ f/1.5 B/W: 0.002 Lux @ f/1.5
	IR Range Max (Meters)	500	500	500
	Lens	8 to 250 mm,	6.7 to 330 mm,	8 to 250mm
	Total Zoom	32x/16x	50x/16x	32x/16x
Pan, Tilt Range		360° endless, -40° to 90°	360° endless, -40° to 90°	360° endless, -40° to 90°
Max. Presets, Tours, Patterns		300, 8, 4	300, 8, 4	300, 8, 4
Video Compression		H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG
Image Enhancement		120dB WDR, Adaptive AGC, DDE, 3D DNR, Defog, 15 Palettes	120dB WDR, Adaptive AGC, DDE, 3D DNR, Defog, 15 Palettes	120dB WDR, Adaptive AGC, DDE, 3D DNR, Defog, 15 Palettes
Alarm on Temperature		Monitor (10 points, 10 regions and 1 line) x 273 scenes within -20~150°C, ±8°C accuracy	Monitor (10 points, 10 regions and 1 line) x 273 scenes within -20~150°C, ±8°C accuracy	Monitor (10 points, 10 regions and 1 line) x 273 scenes within -20~150°C, ±8°C accuracy
Accurate Fire Detection		10 detection points <sup>2</sup>	10 detection points <sup>2</sup>	10 detection points <sup>2</sup>
Alarm I/O, Audio I/O		7/2, 1/1	7/2, 1/1	7/2, 1/1
Ratings		IP66 UL/cUL Listed	IP66 UL/cUL Listed	IP66 UL/cUL Listed
Operating Temperature Range		-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)		24V AC, 120 W	24V AC, 120 W	24V AC, 120 W

Integration Note: All models on this page are ONVIF Profile S and G conformant and support RTSP, RTP, ISAPI (RESTful), Hikvision SDK and third party VMS.

1. Smart Suite: Refer to Data Sheet. Only available in VCA + Temperature Alarm mode.

2. Fire detection is only available in Temperature Alarm + Fire Detection mode.

PORTABLE THERMAL CAMERAS - SMART PRO SERIES

	THERMAL MONOCULAR			THERMAL BINOCULAR		THERMAL RIFLESCOPE		THERMAL INSPECTION	THERMAL INSPECTION
Model	RESOLUTION: Medium 			RESOLUTION: High 		RESOLUTION: Medium 		RESOLUTION: Low 	RESOLUTION: Medium 
	DS-2TS03-15UF/W DS-2TS03-25UF/W DS-2TS03-35UF/W			DS-2TS16-35VI/W DS-2TS16-50VI/W		DS-2TR03-35UM/W DS-2TR03-50UM/W		DS-2TP31-03AUF	DS-2TP23-10VM/W
Thermal Pixels, Pitch, Sensor	Vanadium Oxide UFPA, 384x288, 17 µm			640x512, 17 µm, Vanadium Oxide UFPA		Vanadium Oxide UFPA, 384x288, 17 µm		Vanadium Oxide UFPA, 160x120, 17 µm	Vanadium Oxide UFPA, 384x288, 17 µm
Spectral Response, NETD	8 to 14 µm, < 40 mK @ 25°C			8 to 14 µm, < 40 mK @ 25°C		8 to 14 µm, < 40 mK @ 25°C		8 to 14 µm, < 40 mK @ 25°C	8 to 14 µm, < 40 mK @ 25°C
Thermal Lens	15 mm	25 mm	35 mm	35 mm	50 mm	35 mm	50 mm	3.1 mm	10 mm
Field of View (HxV)	(24.5°x18.5°)	(14.9°x11.2°)	(10.6°x8°)	(14.9°x11.2°)	(12.4°x9.95°)	(10.0°x7.50°)	(7.47°x5.61°)	(38.3°x50.0°)	(37.5°x28.5°)
IFOV (mRad)	1.13	0.68	0.49	0.486	0.34	0.49	0.34	5.67	1.7
Thermography	Hot-spot tracking			Hot-spot tracking		Hot-spot tracking		Measurements: Min., Max. and Center Measurement Range: -20 °C to 550 °C (-4 °F to 1022 °F) Accuracy: Max (±2°C, ±2%)	Measurements: Min., Max., Center, and Custom Point/Line/Area Measurement Range: -20 °C to 550 °C (-4 °F to 1022 °F) Accuracy: Max (±2°C, ±2%)
Optical Camera	---			1.3 MP		---		---	2 MP
Image Enhancement	3D DNR, Adaptive AGC, DDE, 2x Zoom, 3 Palettes			Image Fusion, 3D DNR, Adaptive AGC, DDE, 4x Zoom, 2 Palettes		3D DNR, Adaptive AGC, DDE, 4x Zoom, 3 Palettes		4 Palettes	Image Fusion, 4x Zoom, 7 Palettes
Display	1024x768, 0.39 in, OLED			1024x768, 0.39 in, OLED		1024x768, 0.39 in, OLED		320x240, 2.4 in, LCD display	640x480, 3.5 in, LCD touch display
Battery	Built-in Li-ion, Lasts up to 5 hours			Four 18650 batteries, Lasts up to 7 hours		Two 18650 batteries, Lasts up to 8 hours		Built-in Li-ion, Lasts up to 8 hours	Removeable Li-ion, Lasts up tp 4 hours
Recordable Content	Video, Snapshot			Video, Snapshot		Video, Snapshot		Snapshot	Video, Snapshot w/ Text, Voice
Record Video, Snapshot, Text/Voice	Yes, Yes, No			Yes, Yes, No		Yes, Yes, No		No, Yes, No	Yes, Yes, Yes
Local Storage	16 GB			Built-in memory, 32 GB		Built-in microSD, 16 GB		Replaceable SD, 8 GB included, 128 GB max.	Replaceable memory card, 64 GB
Wi-Fi, GPS	Yes, Yes			Yes, Yes		Yes, Yes		No, No	Yes, No
Interface	USB			Aviation plug with BNC, DB9, and USB		USB, analog video output		micro USB	micro USB
Flashlight, Laser Sight	Yes, No			No, No		No, No		No, Yes	Yes, Yes
Drop Test Height	---			---		---		2 m (6.56 feet)	2 m (6.56 feet)
Standards	IP67			IP67		IP67, MIL-STD-810F		IP54	IP54
Operating Temperature Range	-30°C to 55°C (-22°F to 131°F)			-30°C to 55°C (-22°F to 131°F)		-30°C to 55°C (-22°F to 131°F)		-10 °C to 50 °C (14 °F to 122 °F)	-20 °C to 50 °C (-4 °F to 122 °F)
Dimension (LxWxH)	189 x 74 x 66 mm (7.44 x 2.91 x 2.60 in)			164 x 182.3 x 73.3 mm (6.46 x 7.18 x 2.89 in)		225 x 65 x 95 mm (8.86 x 2.56 x 3.74 in)		196 x 117 x 59 mm (7.7 x 4.6 x 2.3 in)	244 x 100 x 104 mm (9.6 x 3.9 x 4.1 in)
Weight	460 g (1.01 lb)			<1.0 kg (2.20 lb)		< 0.8 kg (1.76 lb)		Approx. less than 350 g (0.77 lb)	Approx. 660 g (1.46 lb)

## NETWORK VIDEO RECORDERS




NETWORK VIDEO RECORDER				
Model				
	DS-9616NI-I8 DS-9632NI-I8 DS-9664NI-I8	DS-9632NI-I16	DS-96064NI-I16	DS-96128NI-I24/H
Max. Recording Resolution	12 MP	12 MP	12 MP	12 MP
Video Compression	H.264/H264+/H.265/ H.265+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4/ (MJPEG for Hikvision IP camera only)	H.265/H.265+/H.264/H.264+/MPEG4/ (MJPEG for Hikvision IP camera only)
HDMI/VGA Output	3840x2160/2560x1440 (HDMI1/VGA1 Synchronous), 1920x1080/1920x1080 (HDMI2/VGA2 Synchronous), HDMI1/HDMI2 Independent	3840x2160/2560x1440 (HDMI1/VGA1 Synchronous), 1920x1080/1920x1080 (HDMI2/VGA2 Synchronous), HDMI1/HDMI2 Independent	2 HDMI 4K (4096x2160)/4K (3840x2160) and 1 VGA at 1920x1080 Resolution, HDMI1 and HDMI2 are Independent	2 HDMI 4K (4096x2160)/4K (3840x2160) and 1 VGA at 1920x1080 Resolution, VGA/LCD Synchronous, HDMI 1 and HDMI 2 are Independent
IP Video Inputs	16/32/64	32	64	128
Alarm Input/Output	16/4	16/8	16/8	16/8
RAID Support	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10
Internal SATA	8 SATA interfaces (up to 10 TB each)	16 SATA interfaces (up to 10 TB each)	16 SATA interfaces (up to 10 TB each)	24 SATA interfaces, hot-swap, (up to 10 TB each)
Maximum Internal Storage	80 TB	160 TB	160 TB	240 TB
Max Incoming Bandwidth (Mbps)	DS-9616NI-I8: 256 DS-9632NI-I8: 320 DS-9664NI-I8: 320 All (200 with RAID)	320 (200 with RAID)	512 (512 with RAID)	768
Maximum Outgoing Bandwidth (Mbps)	256 (200 with RAID)	256 (200 with RAID)	512 (400 with RAID)	512
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Rack Units	2	3	3	4
Power Requirements	100 to 240V AC, 50 to 60 Hz	100 to 240V AC, 50 to 60 Hz	100 to 240V AC, 550 W	100 to 240V AC, 50 to 60 Hz
Power Consumption	≤30 W without HDD or DVD-R/W	≤45 W without HDD or DVD-R/W	≤140 W without HDD or DVD-R/W	≤140 W without HDD or DVD-R/W

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.

Requires rack shelf (Not included) to mount in a 19" equipment rack; it is Not recommended to rack mount the unit using rack rails and rack ears (Not included) due to the weight. Weight without HDD ≤15.86 Kg (31.79 lb)



## NETWORK VIDEO RECORDERS

NETWORK VIDEO RECORDER		DEEPINMIND NVR	
Model		<b>Human Detection</b>	<b>Face Detection</b>
			
	<b>DS-96256NI-I24/H</b>	<b>iDS-9632NXI-I8/16S</b>	<b>iDS-9632NXI-I8/4F</b>
Max. Recording Resolution	12 MP	12 MP	12 MP
Video Compression	H.265/H.265+/H.264/H.264+/MPEG4/ (MJPEG for Hikvision IP camera only)	H.265/H.265+/H.264, H.264+/MPEG4	H.265/H.265+/H.264, H.264+/MPEG4
HDMI/VGA Output	2 HDMI 4K (4096x2160)/4K (3840 x 2160) and 1 VGA at 1920x1080 Resolution, VGA/LCD Synchronous, HDMI 1 and HDMI 2 are Independent	3840x2160/2560x440 (HDMI1/VGA1 Synchronous), 1920x1080/1920x1080 (HDMI2/VGA2 Synchronous), HDMI 1/HDMI2 Independent	3840x2160/2560x1440 (HDMI1/VGA1 Synchronous), 1920x1080/1920x1080 (HDMI2/VGA2 Synchronous), HDMI 1/HDMI 2 Independent
IP Video Inputs	256	32	32
Alarm Input/Output	16/8	16/4 (8 optional)	16/4
RAID Support	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	RAID0, RAID1, RAID5, RAID6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10
Internal SATA	24 SATA interfaces, hot-swap, (up to 10 TB each)	8 SATA interfaces (up to 10 TB each)	8 SATA interfaces (up to 6 TB each)
Maximum Internal Storage	240 TB	80 TB	48 TB
Max Incoming Bandwidth (Mbps)	768	256	256
Maximum Outgoing Bandwidth (Mbps)	768	200	200
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Rack Units	4	2	2
Power Requirements	100 to 240V AC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz
Power Consumption	≤140 W without HDD or DVD-R/W	≤70 W without HDD or DVD-R/W	≤70 W without HDD or DVD-R/W

Standards: Complies with ONVIF (Profile S), CGI ISAPI. Contact factory for details.

Requires rack shelf (Not included) to mount in a 19" equipment rack; it is Not recommended to rack mount the unit using rack rails and rack ears (Not included) due to the weight. Weight without HDD ≤15.86 Kg (31.79 lb)





# Central Management System

HikCentral is an enterprise-class CMS (Central Management System) software that meets rigorous and often complex demands of multi-system, multi-site, multi-user, large-scale video surveillance and access control applications. HikCentral solutions provide highly scalable, reliable, and efficient centralized system management. Industry-leading methods and technologies optimize adaptability to low bandwidth networks, providing an unparalleled user experience. HikCentral is available with or without a Microsoft Windows server. Blazer Pro is a single chassis unit containing a Microsoft Windows server for HikCentral and an embedded Linux NVR, supporting up to 128 or 256 channels out of the box, while the HikCentral server supports upscaling the centrally managed system.






## HIKCENTRAL FEATURES

- Scalable up to 100,000 cameras and 3,000 users
- Unifies video surveillance and access control systems
- Supports under-vehicle surveillance and LPR systems
- Provides business intelligence with people counting, queue analysis, heat mapping, and thermography products and reporting
- Customizable solutions with OpenSDK and several third-party system integrations
- Software licenses are perpetual with one-time purchase

## BLAZER PRO AND HIKCENTRAL

BLAZER PRO (HIKCENTRAL + NVR)		
Model		
	<b>Blazer Pro 128/16H</b>	<b>Blazer Pro 256/16H</b>
Max. Recording Resolution	4K	4K
Video Compression	H.265/H.265+/H.264/H.264+/ MPEG4/MJPEG (for Hikvision network camera only)	H.265/H.265+/H.264/H.264+/ MPEG4/MJPEG (for Hikvision network camera only)
Operating System	Microsoft® Windows 10 (pre-installed with HikCentral V1.1) Optional: Microsoft® Windows Server 2012 R2 (pre-installed with HikCentral V1.1)	Microsoft® Windows 10 (pre-installed with HikCentral V1.1) Optional: Microsoft® Windows Server 2012 R2 (pre-installed with HikCentral V1.1)
VGA Output	1920x1080	1920x1080
IP Video Inputs	128-ch	256-ch
Alarm Input/Output	16/8	16/8
USB	2x USB 3.0	2x USB 3.0
Internal SATA	16 SATA interfaces (up to 8 TB each)	16 SATA interfaces (up to 8 TB each)
Maximum Internal Storage	128 TB	128 TB
SSD for OS	Yes (128 GB)	Yes (128 GB)
Network Interface	4 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interfaces, independent IP address by default	4 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interfaces, independent IP address by default
Max Incoming Bandwidth (Mbps)	768	576
Maximum Outgoing Bandwidth (Mbps)	768	512
Rack Units	3	3
Power Requirements	100 to 240V AC	100 to 240V AC
Power Consumption	≤300 W without HDD	≤300 W without HDD

## BLAZER PRO AND HIKCENTRAL

HIKCENTRAL					
<b>Model</b>					
	<b>HikCentral-RSM-Base/HW/E3/2Site</b>	<b>HikCentral-RSM-Base/2Site</b>	<b>HiKCentral-VSS-Base/HW/64Ch HiKCentral-VSS-Base/HW/300Ch</b>	<b>HiKCentral-VSS-Base/64Ch HiKCentral-VSS-Base/300Ch</b>	<b>HikCentral-ACS-Base/2Door HikCentral-ACS-Base/16Door</b>
<b>Product Type</b>	Server with activated software	Software license	Server with activated software	Software license	Software license
<b>License Type</b>	Remote Site Manager Base	Remote Site Manager Base	Video Surveillance System Base	Video Surveillance System Base	Access Control Base
<b>Function</b>	Server for managing multiple HikCentral servers as a unified system	Software for managing multiple HikCentral servers as a unified system	Central management server for video surveillance systems	Central management software for video surveillance systems	Central management software for access control systems
<b>Server Specifications</b>	Windows Server 2012 R2, Intel® Xeon® E3-1220 v5, 16 GB DDR4, 2x 1 TB in RAID 1, 1U, 3-year Platinum Dell Service	None (Requires server or VM)	Windows Server 2012 R2, Intel® Xeon® E3-1220 v5, 16 GB DDR4, 2x 1 TB in RAID 1, 1U, 3-year Platinum Dell Service	None (Requires server or VM)	None (Requires server or VM)
<b>Licensed Devices</b>	2 Central management servers	2 Central management servers	64 Ch: 64 Camera Channels 300 Ch: 300 Camera Channels	64 Ch: 64 Camera Channels 300 Ch: 300 Camera Channels	2 Door: 2 Access Points 16 Door: 16 Access Points
<b>Camera Channel Capacity</b>	18,000	100,000	3,000	3,000	0
<b>Access Point Capacity</b>	128 (current site)	128 (current site)	0	0	128
<b>HikCentral User Capacity</b>	3,000	3,000	3,000	3,000	3,000
<b>Expansion License</b>	HikCentral-RSM-1Site	HikCentral-RSM-1Site	HikCentral-VSS-Camera	HikCentral-VSS-Camera	HikCentral-ACS-1Door
<b>Compatible Licenses</b>	• All other base licenses and their compatible licenses	• All other base licenses and their compatible licenses	• HikCentral-SmartWall-Module • HikCentral-ANPR-Module • HikCentral-UVSS-Base • HikCentral-FacialReco-Base • HikCentral-Data Reporting System-Base • HikCentral-Thermal Imaging-Base • All other base licenses and their compatible licenses	• HikCentral-SmartWall-Module • HikCentral-ANPR-Module • HikCentral-UVSS-Base • HikCentral-FacialReco-Base • HikCentral-Data Reporting System-Base • HikCentral-Thermal Imaging-Base • All other base licenses and their compatible licenses	• HikCentral-Attendance-Base • All other base licenses and their compatible licenses




# Performance & Value IP Solutions



For those applications where performance is important and budgets are limited, Hikvision offers its Performance and Value Series products. Utilizing some of the Smart Pro features, these products afford more flexibility with reduced feature sets. A selection of Performance cameras and Value IP PTZ's includes DarkFighter technology (Powered by DarkFighter) to enhance performance in low light conditions. And Value Series cameras are now available in 8 MP (4K) resolution. Value Series Plug and Play NVRs ensure easy installation and configuration and the addition of AcuSense cameras and NVRs adds Deep Learning algorithms.




## FEATURES

- Hikvision's latest H.265+ video compression technology captures video using a decreased bitrate, reducing bandwidth requirements and storage costs.
- EXIR 2.0 uses the latest manufacturing components and techniques to improve low light performance, efficiency and lifetime of the IR device.
- "Powered by DarkFighter" technology in Performance Series cameras increases sensitivity in low light environments.
- New Plug and Play Q series NVRs and I-series NVRs have 4K (UHD) outputs for high resolution recording and playback.
- New AcuSense cameras and NVRs provide false alarm filtering for subjects like humans and vehicles.

	MINI BULLET	MINI BULLET	OUTDOOR DOME	
Model	<b>EXIR 2.0</b>  * Powered by DarkFighter.	Powered by DarkFighter. <b>EXIR 2.0</b> 	<b>EXIR 2.0</b>  * Powered by DarkFighter.	Powered by DarkFighter. <b>EXIR 2.0</b> 
	<b>DS-2CD2025FHWD-I*</b> <b>DS-2CD2045FWD-I*</b> <b>DS-2CD2055FWD-I</b>	<b>DS-2CD2065G1-I</b> <b>DS-2CD2085G1-I</b>	<b>DS-2CD2125FHWD-I*</b> <b>DS-2CD2145FWD-I*</b> <b>DS-2CD2155FWD-I</b> <b>DS-2CD2185FWD-I</b>	<b>DS-2CD2165G0-I</b>
Megapixels	2/4/5 MP	6/8 MP	2/4/5/8 MP	6 MP
Min. Illumination (lux)	<b>2 MP:</b> Color: 0.009 @ f/1.6, <b>4 MP:</b> Color: 0.014 @ f/1.6, <b>5 MP:</b> Color: 0.028 @ f/2.0, B/W: 0 with IR	Color: 0.016 @ f/1.6, AGC ON, B/W: 0 with IR	<b>2 MP:</b> Color: 0.009 @ f/1.6, <b>4 MP:</b> Color: 0.014 @ f/1.6, <b>5 MP:</b> Color: 0.028 @ f/2.0, <b>8 MP:</b> Color: 0.028 @ f/2.0, B/W: 0 with IR	Color: 0.014 @ f/1.6, AGC ON
Lens	Fixed, 2.8 mm, 4 mm, 6 mm, 8 mm options	Fixed, 2.8 mm, 4 mm, 6 mm options	Fixed, 2.8 mm, 4 mm, 6 mm, 8 mm options	Fixed, 2.8 mm, 4 mm, 6 mm options
Day/Night/BLC/WDR	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB
IR Range Max (meters)	30	30	30	30
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Max. Image Resolution (pixels) and Frame Rate	<b>2 MP:</b> 1920x1080, 60 <b>4 MP:</b> 2688x1520, 30 <b>5 MP:</b> 2560x1920, 30	<b>6 MP:</b> 3072x2048, 20 <b>8 MP:</b> 3840x2160, 20	<b>2 MP:</b> 1920x1080, 60 <b>4 MP:</b> 2688x1520, 30 <b>5 MP:</b> 2944x1656, 20 <b>8 MP:</b> 3840x2160, 20	<b>6 MP:</b> 3072x2048, 20
Audio Input/Output	---	---	---	---
Alarm Input/Output	---	---	---	---
Ratings	IP67, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)
Power Requirements (max.)	12V DC, PoE (802.3af), 7 W	12V DC, PoE (802.3af), 7.5 W	12V DC, PoE (802.3af), 6.5 W	12V DC, PoE (802.3af), 7.5 W
Brackets	CBXS	CBXS	PC110, SRS, PM-G, CM, CB109	PC110, SRS, PM-G, CM, CB110

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.  
See data sheet for supported analytics.



OUTDOOR TURRET				
Model	<b>EXIR 2.0</b>  * Powered by DarkFighter.	Powered by DarkFighter. <b>EXIR 2.0</b> 	Powered by DarkFighter. <b>EXIR 2.0</b> 	<b>EXIR 2.0</b>  * Powered by DarkFighter.
	<b>DS-2CD2325FHWD-I*</b> <b>DS-2CD2345FWD-I*</b> <b>DS-2CD2355FWD-I</b>	<b>DS-2CD2365G1-I</b> <b>DS-2CD2385G1-I</b>	<b>DS-2CD2H25FHWD-IZS</b> <b>DS-2CD2H35FWD-IZS</b> <b>DS-2CD2H45FWD-IZS</b> <b>DS-2CD2H85FWD-IZS</b>	<b>DS-2CD2425FWD-IW*</b> <b>DS-2CD2455FWD-IW</b>
Megapixels	2/4/5 MP	6/8 MP	2/3/4/8 MP	2/5 MP
Min. Illumination (lux)	<b>2 MP:</b> Color: 0.009 @ f/1.6, <b>4 MP:</b> Color: 0.014 @ f/1.6, <b>5 MP:</b> Color: 0.028 @ f/2.0, B/W: 0 lux with IR	<b>6 MP:</b> Color: 0.016 @ f/1.6, <b>8 MP:</b> 0.016 @ f/1.6, B/W: 0 lux with IR	<b>2 MP:</b> Color: 0.068 @ f/1.4, <b>3 MP:</b> Color: 0.009 @ f/1.4, <b>4 MP:</b> Color: 0.011 @ f/1.4, <b>8 MP:</b> Color: 0.014 @ f/1.4, B/W: 0 Lux with IR	<b>2 MP:</b> Color: 0.009 @ f/1.6, <b>5 MP:</b> Color: 0.028 @ f/2.0, B/W: 0 Lux with IR
Lens	Fixed, 2.8 mm, 4 mm, 6 mm, 8 mm options	Fixed, 2.8 mm, 4 mm, 6 mm options	2.8 to 12 mm @ f/1.4, motorized, autofocus	Fixed, 2.8 mm
Day/Night/BLC/WDR	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120dB
IR Range Max (meters)	30	30	30	10
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Max. Image Resolution (pixels) and Frame Rate	<b>2 MP:</b> 1920x1080, 60 <b>4 MP:</b> 2688x1520, 30 <b>5 MP:</b> 2944x1656, 20	<b>6 MP:</b> 3072x2048, 20 <b>8 MP:</b> 3840x2160, 20	<b>2 MP:</b> 1920x1080, 60 <b>3 MP:</b> 2048x1536, 30 <b>4 MP:</b> 2688x1520, 30 <b>8 MP:</b> 3840x2160, 20	<b>2 MP:</b> 1920x1080, 30 <b>5 MP:</b> 2944x1656, 20
Audio Input/Output	---	---	---	---
Alarm Input/Output	---	---	---	---
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, IK10, UL/cUL Listed	UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-10 °C to +40 °C (14 °F to +104 °F)
Power Requirements (max.)	12V DC, PoE (802.3af), 7 W	12V DC, PoE (802.3af), <b>6 MP:</b> 7.5 W, <b>8 MP:</b> 8.5 W	12V DC, PoE (802.3af), 12.5 W	12V DC, PoE (802.3af), 7 W
Brackets	PC130T, CBM, CB130T, ABM	CB135, PC140	PC135H, AB135, PM1, CM1	Included

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.  
See data sheet for supported analytics.

	OUTDOOR COMPACT DOME	OUTDOOR VF BULLET		OUTDOOR DOME
Model	<b>EXIR 2.0</b>  * Powered by DarkFighter.	<b>EXIR 2.0</b>  * Powered by DarkFighter.	Powered by DarkFighter. <b>EXIR 2.0</b> 	<b>EXIR 2.0</b> 
Megapixels	DS-2CD2525FWD-IS* DS-2CD2545FWD-IWS* DS-2CD2555FWD-IS 2/4/5 MP	DS-2CD2625FHWD-IZS* DS-2CD2645FWD-IZS* DS-2CD2655FWD-IZS 2/4/5 MP	DS-2CD2665G0-IZS DS-2CD2685G0-IZS 6/8 MP	DS-2CD2725FHWD-IZS* DS-2CD2745FWD-IZS* DS-2CD2755FWD-IZS 2/4/5 MP
Min. Illumination (lux)	2 MP: Color: 0.009 @ f/1.6, 4 MP: Color: 0.014 @ f/1.6 5 MP: Color: 0.028 @ f/2.0, B/W: 0 Lux with IR	2 MP: Color: 0.00689 @ f/1.4, 4 MP: Color: 0.011 @ f/1.4, 5 MP: Color: 0.014 @ f/1.4, B/W: 0 Lux with IR	6 MP: Color: 0.011 @ f/1.4, 8 MP: Color: 0.011 @ f/1.4, B/W: 0 Lux with IR	2 MP: Color: 0.0068 @ f/1.4, 4 MP: Color: 0.011 @ f/1.4, 5 MP: Color: 0.014 @ f/1.4, B/W: 0 lux with IR
Lens	Fixed, 2.8 mm, 4 mm options	2.8 to 12 mm @ f/1.4, motorized, autofocus	2.8 to 12 mm @ f/1.4, motorized, autofocus	Fixed, 2.8 mm, 4 mm, 6 mm, 8 mm options
Day/Night/BLC/WDR	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB
IR Range Max (meters)	10	50	50	30
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Max. Image Resolution (pixels) and Frame Rate	2 MP: 1920x1080, 30 4 MP: 2688x1520, 30 5 MP: 2944x1656, 20	2 MP: 1920x1080, 60 4 MP: 2688x1520, 30 5 MP: 2944x1656, 20	6 MP: 3072x2048, 20 8 MP: 3840x2160, 20	2 MP: 1920x1080, 60 4 MP: 2688x1520, 30 5 MP: 2944x1656, 20
Audio Input/Output	IN: 1 line/Mic OUT: 1 line	IN: 1 line OUT: 1 line	---	IN: 1 line OUT: 1 line
Alarm Input/Output	1/1	1/1	---	1/1
Ratings	IP66, IK8, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)
Power Requirements (max.)	12V DC, PoE (802.3af), 9.5 W	12V DC, PoE Plus (802.3af), 17.5 W	12V DC, PoE (802.3af), 18 W	12V DC, PoE (802.3af), 11 W
Brackets	CBD-MINI, PC120	PMI, CMI,	Refer to data sheet	PC155, PM1, CM1, RCM-5

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.  
See data sheet for supported analytics.





	OUTDOOR BULLET		FISHEYE	
Model	Powered by DarkFighter. EXIR 2.0 	EXIR 2.0  * Powered by DarkFighter.	Powered by DarkFighter. EXIR 2.0 	
	DS-2CD2765G0-IZS DS-2CD2785G0-IZS	DS-2CD2T25FHW-IZS* DS-2CD2T45FWD-IZS* DS-2CD2T55FWD-IZS	DS-2CD2T65G1-IZS DS-2CD2T85G1-IZS	DS-2CD2935FWD-IZS DS-2CD2955FWD-IZS
Megapixels	6/8 MP	2/4/5 MP	6/8 MP	3/5 MP
Min. Illumination (lux)	Color: 0.011 @ f/1.4, B/W: 0 lux with IR	2 MP: Color: 0.009 @ f/1.6, 4 MP: Color: 0.014 @ f/1.6 , 5 MP: Color: 0.028 @ f/2.0, B/W: 0 Lux with IR	Color: 0.014 @ f/1.6, AGC ON	3 MP: Color: 0.016 @ f/2.2, 5 MP: Color: 0.033 @ f/2.2 B/W: 0 with IR
Lens	2.8 to 12 mm @ f/1.4, motorized, autofocus	Fixed, 2.8 mm, 4 mm, 6 mm, 8 mm options	Fixed, 2.8 mm, 4 mm, 6 mm options	1.16 mm @ f/2.2 1.05 mm @ f/2.2
Day/Night/BLC/WDR	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB
IR Range Max (meters)	30	50	50	8
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Max. Image Resolution (pixels) and Frame Rate	6 MP: 3072x2048, 20 8 MP: 3840x2160, 20	2 MP: 1920x1080, 60 4 MP: 2688x1520, 30 5 MP: 2944x1656, 20	6 MP: 3072x2048, 20 8 MP: 3840x2160, 20	3 MP: 2048x1536, 30 5 MP: 2560x1920, 30
Audio Input/Output	---	---	---	IN: 1 line OUT: 1 line
Alarm Input/Output	---	---	---	1/1
Ratings	IP67, IK10, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-10° C to 50° C (-14° F to 122° F)
Power Requirements (max.)	12V DC, PoE (802.3af), 12.5 W	12V DC, PoE (802.3af), 9 W	12V DC, PoE (802.3af), 12.5 W	12V DC, PoE (802.3af), 6.4 W
Brackets	PC155, PM1, CM1, RCM-5	CBS	CBS	WM-C, AB-FE2, PP1

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.  
See data sheet for supported analytics.


## NETWORK CAMERAS - VALUE SERIES

	OUTDOOR BULLET	INDOOR DOME	OUTDOOR TURRET	OUTDOOR COMPACT DOME	WI-FI COMPACT DOME
<b>Model</b>	<b>EXIR 2.0</b> 	<b>EXIR 2.0</b> 	<b>EXIR 2.0</b> 	<b>EXIR 2.0</b> 	<b>EXIR 2.0</b> 
<b>Megapixels</b>	DS-2CD2023G0-I DS-2CD2043G0-I DS-2CD2063G0-I DS-2CD2083G0-I	DS-2CD2123G0-I DS-2CD2143G0-I DS-2CD2163G0-I DS-2CD2183G0-I	DS-2CD2323G0-I DS-2CD2343G0-I DS-2CD2363G0-I DS-2CD2383G0-I	DS-2CD2523G1-IS DS-2CD2543G1-IS DS-2CD2563G1-IS	DS-2CD2523G0-IWS DS-2CD2543G0-IWS
<b>Min. Illumination (lux)</b>	2 MP: Color: 0.028 @ f/2.0, 4 MP: Color: 0.018 @ f/1.6, AGC ON, 6 MP: Color: 0.028 @ f/2.0 8 MP: Color: 0.028 @ f/2.0 B/W: 0 with IR	2 MP: Color: 0.028 @ f/2.0, 4 MP: Color: 0.018 @ f/1.6, 6 MP: Color: 0.028 @ f/2.0, AGC ON, 8 MP: Color: 0.028 @ f/2.0 B/W: 0 with IR	2 MP: Color: 0.028 @ f/2.0, 4 MP: Color: 0.018 @ f/1.6, 6 MP: Color: 0.028 @ f/2.0, 8 MP: Color: 0.028 @ f/2.0 B/W: 0 with IR	2 MP: Color: 0.028 @ f/2.0, 4 MP: Color: 0.018 @ f/1.6, 6 MP: Color: 0.025 @ f/2.0, B/W: 0 with IR	2 MP: Color: 0.028 @ f/2.0, 4 MP: Color: 0.018 @ f/1.6, B/W: 0 with IR
<b>Lens Options</b>	Fixed, 2.8 mm, 4 mm	Fixed, 2.8 mm, 4 mm	Fixed, 2.8 mm, 4 mm	Fixed, 2.8 mm, 4 mm	Fixed, 2.8 mm, 4 mm,
<b>IR Range Max (meters)</b>	30	30	30	30	TRUE/Yes/120dB
<b>Day/Night/BLC/WDR</b>	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	
<b>Video Compression</b>	H.265+/H.265/H.264+/ H.264/MJPEG	H.265+/H.265/H.264+/ H.264/MJPEG	H.265+/H.265/H.264+/ H.264/MJPEG	H.265+/H.265/H.264+/ H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
<b>Max. Image Resolution (pixels) and Frame Rate</b>	2 MP: 1920x1080, 30 4 MP: 2688x1250, 30 6 MP: 3072x2048, 20 8 MP: 3840x2160, 15	2 MP: 1920x1080, 30 4 MP: 2688x1250, 30 6 MP: 3072x2048, 30 8 MP: 3840x2160, 15	2 MP: 1920x1080, 30 4 MP: 2688x1250, 30 6 MP: 3072x2048, 30 8 MP: 3840x2160, 15	2 MP: 1920x1080, 30 4 MP: 2688x1250, 30 6 MP: 3072x2048, 30	2 MP: 1920x1080, 30 4 MP: 2688x1250, 30
<b>Audio Input/Output</b>	---	---	---	---	---
<b>Alarm Input/Output</b>	---	---	---	---	---
<b>Ratings</b>	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, UL/cUL Listed	IP66, IK8, UL/cUL Listed	IP66, IK8, UL/cUL Listed
<b>Operating Temperature Range<sup>9</sup></b>	-30° C to 50° C (-22° F to 122° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30 °C to +60 °C (-22 °F to +140 °F)
<b>Power Requirements (max.)</b>	12V DC, PoE (802.3af), 5 W	12V DC, PoE (802.3af), 10 W	12V DC, PoE (802.3af), 6 W	12V DC, PoE (802.3af), 10 W	12V DC, PoE (802.3af), 10 W
<b>Brackets</b>	CBXS	PC110, CB110, CM, SRS, PM-G	PC130T, CBM, CB130T, ABM	CBD-MINI	CBD-MINI

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.  
See data sheet for supported analytics.




## NETWORK CAMERAS - VALUE SERIES

	OUTDOOR BULLET	OUTDOOR DOME	RECESSED DOME	PINHOLE	COVERT
<b>Model</b>	<b>EXIR 2.0</b> 	<b>EXIR 2.0</b> 			
	DS-2CD2623G1-IZS DS-2CD2643G1-IZS DS-2CD2663G1-IZS DS-2CD2683G1-IZS	DS-2CD2723G1-IZS DS-2CD2743G1-IZS DS-2CD2763G1-IZS DS-2CD2783G1-IZS	DS-2CD2E10F DS-2CD2E10F	DS-2CD2D21G0-D/NF	DS-2CD2D21G0/M-D/NF
<b>Megapixels</b>	2/4/6/8 MP	2/4/6/8 MP	1.3/2 MP	2.0 MP	2.0 MP
<b>Min. Illumination (lux)</b>	2/4/6/8 MP: Color: 0.018 @ f/1.6 B/W: 0 with IR	2/4/6/8 MP: Color: 0.018 @ f/1.6 B/W: 0 with IR	Color: 0.028 @ f/2.0	Color: 0.025 @ f/1.2	Color: 0.025 @ f/1.2
<b>Lens Options</b>	2.8 to 12 mm @ f/1.4, motorized, autofocus	2.8 to 12 mm @ f/1.4, motorized, autofocus	Fixed, 4 mm @ f/2.0 (2.8 mm option)	Pinhole, 3.7 mm @ f/1.2/ 78°	2.8 mm @ f/1.2 or 4.0 mm @ f/1.2 / 114° (2.8 mm), 86° (4.0 mm)
<b>IR Range Max (meters)</b>	30	30	Electronic/Yes/Digital	Electronic/No/120 dB	Electronic/No/120 dB
<b>Day/Night/BLC/WDR</b>	TRUE/Yes/120 dB	TRUE/Yes/120 dB	---	---	---
<b>Video Compression</b>	H.265+/H.265/H.264+/ H.264/MJPEG	H.265+/H.265/H.264+/ H.264/MJPEG	H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG
<b>Max. Image Resolution (pixels) and Frame Rate</b>	<b>2 MP:</b> 1920x1080, 30 <b>4 MP:</b> 2688x1250, 30 <b>6 MP:</b> 3072x2048, 30 <b>8 MP:</b> 3840x2160, 15	<b>2 MP:</b> 1920x1080, 30 <b>4 MP:</b> 2688x1250, 30 <b>6 MP:</b> 3072x2048, 30 <b>8 MP:</b> 3840x2160, 15	1280x960, 1920x1080	1920x1080	1920x1080
<b>Audio Input/Output</b>	---	---	---	---	---
<b>Alarm Input/Output</b>	---	---	---	---	---
<b>Ratings</b>	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
<b>Operating Temperature Range<sup>9</sup></b>	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-130° C to 40° C (-14° F to 104° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)
<b>Power Requirements (max.)</b>	12V DC, PoE (802.3at), 18 W	12V DC, PoE (802.3at), 18 W	12V DC, 4.2 W	12V DC, 3 W	12V DC, 3 W
<b>Brackets</b>	CBS, CM1, PM1	PC155, PM1, CM1	Included	Included	Included

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.  
See data sheet for supported analytics.

## ACUSENSE CAMERA - VALUE SERIES

	DOME	TURRET	BULLET	VARIFOCAL BULLET	VARIFOCAL DOME
<b>Model</b>	EXIR 2.0 	EXIR 2.0 	EXIR 2.0 	EXIR 2.0 	EXIR 2.0 
	DS-2CD2146G1-IS	DS-2CD2346G1-I	DS-2CD2T46G1-4I	DS-2CD2646G1-IZS	DS-2CD2746G1-IZS
<b>Megapixels</b>	4	4	4	4	4
<b>Min. Illumination (lux)</b>	Color: 0.012 @ f/1.6 B/W: 0 with IR	Color: 0.012 @ f/1.6 B/W: 0 with IR	Color: 0.012 @ f/1.6 B/W: 0 with IR	Color: 0.01 @ f/1.4 B/W: 0 with IR	Color: 0.01 @ f/1.4 B/W: 0 with IR
<b>Lens</b>	Fixed, 2.8 mm, 4 mm,	Fixed, 2.8 mm, 4 mm,	Fixed, 2.8 mm, 4 mm, 6 mm, 8 mm	2.8 to 12 mm @ f/1.4, motorized	2.8 to 12 mm @ f/1.4, motorized
<b>Day/Night/BLC/WDR</b>	TRUE/Yes/120dB	TRUE/Yes/120dB	TRUE/Yes/120 dB	TRUE/Yes/120dB	TRUE/Yes/120dB
<b>IR Range Max (meters)</b>	30	50	80	50	30
<b>Video Compression</b>	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG
<b>Max. Image Resolution (pixels) and Frame Rate</b>	2688x1520,30	2688x1520, 30	2688x1520, 30	2688x1520, 30	2688x1520, 30
<b>Audio Input/Output</b>	IN: 1 line OUT: 1 line	---	---	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line
<b>Alarm Input/Output</b>	1/1	---	---	1/1	1/1
<b>Ratings</b>	IP67, IK10, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed
<b>Operating Temperature Range</b>	-30° C to 50° C (-22° F to 122° F)	-30° C to 50° C (-22° F to 122° F)	-30° C to 50° C (-22° F to 122° F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
<b>Power Requirements (max.)</b>	12V DC, PoE (802.3af), 10 W	12V DC, PoE (802.3af), 10W	12V DC, PoE (802.3at), 17 W	12V DC, PoE (802.3at), 18 W	12V DC, PoE (802.3af), 12.9 W
<b>Brackets</b>	PC120, WMS, CM, CPM, SRSM	PC140 CPM WML CB135	CB130, PM, CM	CB130, CBS, PM, CM	WML,PC155, PM1, CM1, SRSL

Complies with ONVIF (Profile S and G), ASAPI.  
Contact for factory details









## NETWORK PTZ CAMERAS - VALUE SERIES

	WI-FI INDOOR	INDOOR	OUTDOOR IR			
Model						
	<b>DS-2DE2204IW-DE3/W</b>	<b>DS-2DE2204IW-DE3</b>	<b>DS-2DE1A200IW-DE3</b> <b>DS-2DE1A400IW-DE3</b>	<b>DS-2DE2A204IW-DE3</b> <b>DS-2DE2A204W-DE3</b>	<b>DS-2DE2A404IW-DE3</b> <b>DS-2DE2A404W-DE3</b>	<b>DS-2DE4225W-DE3</b>
Megapixels	2 MP	2 MP	2/4 MP	2 MP	4 MP	2 MP
Min. Illumination (lux)	Color: 0.05 @ f/2.0 B/W: 0.005 @ f/2.0	Color: 0.05 @ f/2.0 B/W: 0.005 @ f/2.0	Color: 0.005 @ f/1.6, AGC ON B/W: 0.001 @ f/1.6, AGC ON	Color: 0.005 @ f/1.6, AGC ON B/W: 0.001 @ f/1.6, AGC ON	Color: 0.005 @ f/1.6, AGC ON B/W: 0.001 @ f/1.6, AGC ON	Color: 0.005 @ f/1.6 B/W: 0.001 @ f/1.6
Lens	2.8 to 12 mm, motorized zoom, autofocus	2.8 to 12 mm, motorized zoom, autofocus	2.8 mm	2.8 to 12 mm, motorized zoom, autofocus	2.8 to 12 mm, motorized zoom, autofocus	4.8 to 120 mm, motorized zoom, autofocus
Optical Zoom (Digital)	4x (16x)	4x (—)	— (16x)	4x (—)	4x (—)	25x (16x)
Pan Range	0° to 350°	0° to 350°	0° to 330°	0° to 330°	0° to 330°	360° endless
Tilt Range	0° to 90°	0° to 90°	0° to 90°	0° to 90°	0° to 90°	0° to 90°
Pan & Tilt Speed (Manual)	0.1° to 60°/sec. & 0.1° to 50°/sec.	0.1° to 60°/sec. & 0.1° to 50°/sec.	0.1° to 100°/sec. & 0.1° to 100°/sec.	0.1° to 100°/sec. & 0.1° to 100°/sec.	0.1° to 100°/sec. & 0.1° to 100°/sec.	0.1° to 160°/sec. & 0.1° to 120°/sec.
Pan & Tilt Speed (Preset)	60°/sec. & 50°/sec.	60°/sec. & 50°/sec.	100°/sec. & 100°/sec.	100°/sec. & 100°/sec.	100°/sec. & 100°/sec.	160°/sec. & 120°/sec.
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
Image Enhancement	DWDR, AGC, AWB, DNR, BLC	DWDR, AGC, AWB, DNR, BLC	120 dB WDR, AGC, AWB, DNR, BLC	120 dB WDR, AGC, AWB, DNR, BLC	120 dB WDR, AGC, AWB, DNR, BLC	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus
IR Range Max (meters)	20	20	15	20 (DS-2DE2A204IW only)	20 (DS-2DE2A404IW only)	—
3D Positioning	—	Yes	—	—	—	Yes
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264/MJPEG
Max. Image Resolution (pixels) and Frame Rate	1920x1080, 60	1920x1080, 30	<b>2 MP:</b> 1920x1080, 30 <b>4 MP:</b> 2560x1440, 30	1920x1080, 30	2560x1440, 24	1920x1080, 60
Ratings	UL/cUL Listed	UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	UL/cUL Listed
Operating Temperature Range	-10° C to 50° C (14° F to 122° F)	-10° C to 50° C (14° F to 122° F)	-10° C to 55° C (-14° F to 131° F)	-20° C to 60° C (-4° F to 140° F)	-20° C to 60° C (-4° F to 140° F)	-10° C to 50° C (14° F to 122° F)
Power Requirements (max.)	12V DC, PoE (802.3af), 9 W	12V DC, PoE (802.3af), 9 W	12V DC, PoE (802.3af), 12 W	12V DC, PoE (802.3af), 12 W (3.9 for IR)	12V DC, PoE (802.3af), 12 W (3.9 for IR)	12V DC, PoE+ (802.3at), 18 W
Brackets	WM-C	WM-C	WMP-MPZ	WMP-MPZ	WMP-MPZ	Refer to data sheet

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.  
See data sheet for supported analytics.







## NETWORK PTZ CAMERAS - VALUE SERIES

	INDOOR/OUTDOOR				OUTDOOR	
Model						
	<b>DS-2DE4A204IW-DE</b>	<b>DS-2DE4A225IW-DE</b>	<b>DS-2DE4A404IW-DE</b>	<b>DS-2DE4A425IW-DE</b>	<b>DS-2DE3304W-DE</b>	<b>DS-2DY3220IW-DE</b>
Megapixels	2 MP	2 MP	4 MP	4 MP	3 MP	2 MP
Min. Illumination (lux)	Color: 0.002 @ f/1.6, AGC On B/W: 0.0002 @ f/1.6, AGC On, 0 with IR	Color: 0.005 @ f/1.6 B/W: 0.001 @ f/1.6	Color: 0.002 @ f/1.6 AGC On B/W: 0.0002 @ f/1.6, AGC On, 0 with IR	Color: 0.005 @ f/1.6 B/W: 0.001 @ f/1.6	Color: 0.05 @ f/1.6, AGC On B/W: 0.01 @ f/1.6, AGC On, 0 with IR	Color: 0.05 @ f/1.6, AGC On B/W: 0.005 @ f/1.6, AGC On, 0 with IR
Lens	2.8 to 12 mm, motorized zoom, autofocus	4.8 to 120 mm, motorized zoom, autofocus	2.8 to 12 mm, motorized zoom, autofocus	4.8 to 120 mm, motorized zoom, autofocus	2.8 to 12 mm, motorized zoom, autofocus	4.7 to 94 mm, motorized zoom, autofocus
Optical Zoom (Digital)	4x (16x)	25x (16x)	4x (16x)	25x (16x)	4x (16x)	20x (16x)
Pan Range	360° endless	360° endless	360° endless	360° endless	0° to 350°	360° endless
Tilt Range	-5° to 90°	-5° to 90°	-5° to 90°	-5° to 90°	0 to 90°	-40° to 30°
Pan & Tilt Speed (Manual)	0.1° to 300°/sec. & 0.1° to 160°/sec.	0.1° to 300°/sec. & 0.1° to 160°/sec.	0.1° to 300°/sec. & 0.1° to 160°/sec.	0.1° to 300°/sec. & 0.1° to 160°/sec.	0.1° to 60°/sec. & 0.1° to 50°/sec.	0.1° to 60°/sec. & 0.1° to 30°/sec.
Pan & Tilt Speed (Preset)	350°/sec. & 200°/sec.	350°/sec. & 200°/sec.	350°/sec. & 200°/sec.	350°/sec. & 200°/sec.	30°/sec. & 25°/sec.	100°/sec. & 60°/sec.
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
Image Enhancement	3D DNR, BLC, WDR, HLC	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	DWDR, AGC, AWB, 3D DNR, HLC, BLC, Defog	WDR, AGC, AWB, 3D DNR, HLC, BLC, Defog
IR Range Max (meters)	50	50	50	50	---	100
3D Positioning	Yes	Yes	Yes	Yes	Yes	Yes
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Image Resolution (pixels) and Frame Rate	1920x1080, 60	1920x1080, 60	2560x1440, 60	2560x1440, 60	2560x1440, 60	1920x1080, 30
Ratings	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP67, UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature Range	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)
Power Requirements (max.)	12V DC, PoE+ (802.3 at), 18 W	12V DC, PoE (802.3at), 23 W	12V DC, PoE+ (802.3 at), 18 W	12V DC, PoE (802.3at), 23 W	12V DC, PoE (802.3af), 8 W	24V AC, PoE (802.3at), 19 W
Brackets	WML, PM, CM, RCM-DE4A, CB-DE4A	WML, PM, CM, RCM-DE4A, CB-DE4A	WML, PM, CM, RCM-DE4A, CB-DE4A	WML, PM, CM, RCM-DE4A, CB-DE4A	WML, RCM-4, CB140PT, PM, CM	Included

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.  
See data sheet for supported analytics.








## NETWORK PTZ CAMERAS - VALUE SERIES

OUTDOOR						
Model			DarkFighter. 	DarkFighter. 	DarkFighter. 	
	DS-2DY3220IW-DE4	DS-2DE4220W-AE	DS-2DE4225W-DE	DS-2DE5232W-AE	DS-2DE5225W-AE	DS-2DE5330W-AE
Megapixels	2 MP	2 MP	2 MP	2 MP	2 MP	3 MP
Min. Illumination (lux)	Color: 0.05 @ f/1.6, AGC On B/W: 0.005 @ f/1.6, AGC On, 0 with IR	Color: 0.05 @ f/1.6, AGC On B/W: 0.01 @ f/1.6, AGC On, 0 with IR	Color: 0.005 @ f/1.6, AGC On B/W: 0.001 @ f/1.6, 0 with IR	Color: 0.005 @ f/1.6, AGC On B/W: 0.001 @ f/1.6, 0 with IR	Color: 0.005 @ f/1.6, AGC ON B/W: 0.001 @ f/1.6, AGC ON	Color: 0.05 @ f/1.6, AGC On B/W: 0.01 @ f/1.6, AGC On, 0 with IR
Lens	4.7 to 94 mm, motorized zoom, autofocus	4.7 to 94 mm, motorized zoom, autofocus	4.8 to 120 mm, motorized zoom, autofocus	4.8 to 153 mm, motorized zoom, autofocus	4.8 to 120 mm, motorized zoom, autofocus	4.3 to 129 mm, motorized zoom, autofocus
Optical Zoom (Digital)	20x (16x)	20x (16x)	25x (16x)	32x (16x)	25x (16x)	30x (16x)
Pan Range	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless
Tilt Range	-40° to 30°	5° to 90°	-15° to 90° (auto flip)	-5° to 90°	-5° to 90° (Auto Flip )	-5° to 90°
Pan & Tilt Speed (Manual)	0.1° to 60°/sec. & 0.1° to 30°/sec.	0.1° to 160°/sec. & 0.1° to 120°/sec.	0.1° to 80°/sec. & 0.1° to 80°/sec.	0.1° to 250°/sec. & 0.1° to 150°/sec.	0.1° to 250°/sec. & 0.1° to 150°/sec.	0.1° to 250°/sec. & 0.1° to 150°/sec.
Pan & Tilt Speed (Preset)	100°/sec. & 60°/sec.	160°/sec. & 120°/sec.	80°/sec. & 80°/sec.	300°/sec. & 200°/sec.	300°/sec. & 200°/sec.	300°/sec. & 200°/sec.
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
Image Enhancement	WDR, AGC, AWB, 3D DNR, HLC, BLC, Defog	DWDR, HLC, Defog, EIS	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	DWDR, AGC, AWB, 3D DNR, HLC, BLC, Defog
IR Range Max (meters)	100	---	---	---	---	---
3D Positioning	Yes	Yes	Yes	Yes	Yes	Yes
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Image Resolution (pixels) and Frame Rate	1920x1080, 30	1920x1080, 30	1920x1080, 30	1920x1080, 60	1920x1080, 60	2048x1536, 30
Ratings	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed
Operating Temperature Range	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)
Power Requirements (max.)	24V AC, PoE (802.3at), 19 W	24V AC, PoE (802.3at), 18 W	24V AC, Hi-PoE, 18 W	24V AC, Hi-PoE, 22 W	24V AC, Hi-PoE, 22 W	24V AC, PoE (802.3at), 18 W
Brackets	Included	WMP-S, WMP-L, CMP, PMP	Refer to data sheet	WMP-L, CMP, PMP, JBPW-L	WMP-L, CMP, PMP, JBPW-L, RPM	WMP-L, CMP, PMP, JBPW-L, RPM

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.  
See data sheet for supported analytics.



## NETWORK PTZ CAMERAS - VALUE SERIES

OUTDOOR					
Model					
	<b>DS-2DE5225IW-AE</b>	<b>DS-2DE7232IW-AE</b>	<b>DS-2DE7330IW-AE</b>	<b>DS-2DE7430IW-AE</b>	<b>DS-2DE7530IW-AE</b>
Megapixels	2 MP	2 MP	3 MP	4 MP	5 MP
Min. Illumination (lux)	Color: 0.005 @ f/1.6, AGC On B/W: 0.001 @ f/1.6, 0 with IR	Color: 0.005 @ f/1.5, AGC On B/W: 0.001 @ f/1.5, 0 with IR	Color: 0.05 @ f/1.5, AGC On B/W: 0.01 @ f/1.5, 0 with IR	Color: 0.005 @ f/1.5, AGC On B/W: 0.002 @ f/1.5, 0 with IR	Color: 0.005 @ f/1.5, AGC On B/W: 0.002 @ f/1.5, 0 with IR
Lens	4.8 to 120 mm, motorized zoom, autofocus	4.8 to 153 mm, motorized zoom, autofocus	4.3 to 129 mm, motorized zoom, autofocus	5.9 to 177 mm, motorized zoom, autofocus	5.9 to 177 mm, motorized zoom, autofocus
Optical Zoom (Digital)	25x (16x)	32x (16x)	30x (16x)	30x (16x)	30x (16x)
Pan Range	360° endless	360° endless	360° endless	360° endless	360° endless
Tilt Range	-15° to 90° (auto flip)	-15° to 90°	-15° to 90°	-15° to 90°	-15° to 90°
Pan & Tilt Speed (Manual)	0.1° to 120°/sec. & 0.1° to 80°/sec.	0.1° to 160°/sec. & 0.1° to 120°/sec.	0.1° to 160°/sec. & 0.1° to 120°/sec.	0.1° to 160°/sec. & 0.1° to 120°/sec.	0.1° to 160°/sec. & 0.1° to 120°/sec.
Pan & Tilt Speed (Preset)	120°/sec. & 80°/sec.	240°/sec. & 200°/sec.	240°/sec. & 200°/sec.	240°/sec. & 200°/sec.	240°/sec. & 200°/sec.
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE
Image Enhancement	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	DWDR, AGC, AWB, 3D DNR, HLC, BLC, Defog	DWDR, AGC, AWB, 3D DNR, HLC, BLC, Defog	DWDR, AGC, AWB, 3D DNR, HLC, BLC, Defog
IR Range Max (meters)	150	150	150	150	150
3D Positioning	Yes	Yes	Yes	Yes	Yes
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Image Resolution (pixels) and Frame Rate	1920x1080, 30	1920x1080, 60	2048x1536, 30	2560x1536, 30	2592x1944, 30
Ratings	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature Range	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)
Power Requirements (max.)	24V AC, Hi-PoE, 30 W	24V AC, Hi-PoE, 40 W	24V AC, Hi-PoE (802.3at), 40 W	24V AC, Hi-PoE (802.3at), 40 W	24V AC, Hi-PoE (802.3at), 40 W
Brackets	WMP-L, CMP, PMP, JBPW-L, RPM	WMP-L, CMP, PMP, JBPW-L, RPM	WMP-L, CMP, PMP, JBPW-L, RPM	WMP-L, CMP, PMP, JBPW-L, RPM	WMP-L, CMP, PMP, JBPW-L, RPM

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.  
See data sheet for supported analytics.





## NETWORK VIDEO RECORDERS - VALUE SERIES

	PLUG-AND-PLAY			ACUSENSE - BEHAVIOR DETECTION
Model				
	<b>DS-7604NI-Q1/4P</b>	<b>DS-7608NI-Q2/8P DS-7616NI-Q2/16P</b>	<b>DS-7608NI-I2/8P DS-7616NI-I2/16P</b>	<b>DS-7608NXI-I2/8P/4S DS-7616NXI-I2/16P/4S</b>
Max. Recording Resolution	8 MP		12 MP	12 MP
Video Compression	H.265/H.265+/H.264/H.264+/MPEG4		H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4
HDMI/VGA Output	4K (3840x2160)/1920x1080 independent output (except 4-ch)		3840x2160/1920x1080, 1920x1080/1920x1080, independent output	4K (3840x2160)/1920x1080 independent output
IP Video Input	<b>4/8/16-ch:</b> IPC with integrated <b>4/8/16:</b> port 802.3af/at PoE switch		<b>8/16-ch:</b> IPC with integrated <b>8/16:</b> port 802.3af/at PoE switch	<b>8/16-ch:</b> IPC with integrated 8/16-port 802.3af/at PoE switch
Audio Input/Output	1/1		1/1	1/1
Alarm Input/Output	4-ch/1-ch		4-ch/1-ch	4-ch/1-ch
Internal SATA	<b>4-ch:</b> 1 <b>8/16-ch:</b> 2 SATA interface (up to 8 TB each)		2 SATA interfaces (up to 8 TB each)	2 SATA interfaces (up to 8 TB each)
Max. Internal Storage	<b>4-ch:</b> 8 TB, <b>8/16-ch:</b> 16 TB		16 TB	16 TB
Max Incoming Bandwidth (Mbps)	<b>4-ch:</b> 40, <b>8-ch:</b> 80, <b>16-ch:</b> 160		<b>8-ch:</b> 80, <b>16-ch:</b> 160	<b>8-ch:</b> 80, <b>16-ch:</b> 160
Maximum Outgoing Bandwidth (Mbps)	80		256	256
Max. Remote Connections	<b>4-ch:</b> 16 <b>8/16-ch:</b> 64		<b>4/8-ch:</b> 32 <b>16-ch:</b> 128	128
Rack Units	1		1	1
Ratings	UL/cUL Listed		UL/cUL Listed	UL/cUL Listed
PoE Budget	<b>4-ch:</b> 50 W, <b>8-ch:</b> 80 W, <b>16-ch:</b> 150 W		<b>8-ch:</b> 120 W, <b>16-ch:</b> 280 W	<b>8-ch:</b> 120 W, <b>16-ch:</b> 200 W
Power Requirements	<b>4-ch:</b> 48V DC, <b>8/16-ch:</b> 100-240V AC, ≤10 W without HDD		100 to 240V AC, ≤15 W without HDD	100 to 240V AC, ≤15 W without HDD

Complies with ONVIF (Profile S), PSIA, CGI ISAPI. Contact for factory details  
Command Protocols: Hikvision and Pelco D/P protocols

## NETWORK VIDEO RECORDERS - VALUE SERIES

	PLUG-AND-PLAY		ACUSENSE - HUMAN/VEHICLE DETECTION		
Model					
	DS-7716NI-I4/16P	DS-7716NI-I4/16P(B)	DS-7732NI-I4 DS-7732NI-I4 (B) DS-7732NI-I4/16P DS-7732NI-I4/16P(B) DS-7732NI-I4/24P	DS-7716NXI-I4/16P/4S	DS-7732NXI-I4/16P/4S
Max. Recording Resolution	12 MP		12 MP	12 MP	12 MP
Video Compression	H.265+/H.265/H.264/H.264+		H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4
HDMI/VGA Output	1x HDMI - 3840x2160/1920x1080, 1x VGA - 2560x1440, independent output (B model includes 2x HDMI, 1x CVBS output)		1x HDMI - 3840x2160/1920x1080, 1x VGA - 2560x1440, independent output (B and 24P models include 2x HDMI, 1x CVBS output)	2x HDMI - 3840x2160/1920x1080, 1x VGA - 1920x1080/1920x1080, independent output, 1x CVBS output	2x HDMI - 3840x2160/1920x1080, 1x VGA - 1920x1080/1920x1080, independent output, 1x CVBS output
IP Video Input	8/16-ch: IPC with integrated 16-port 802.3af/at PoE switch		32-ch: without PoE 16/32-ch: IPC with integrated 16/24-port 802.3af/at PoE switch	16-ch: IPC with integrated 16-port 802.3af/at PoE switch	32-ch: IPC with integrated 16-port 802.3af/at PoE switch
Audio Input/Output	1 line in/1 line out		1 line in/1 line out	1 line in/1 line out	1 line in/1 line out
Alarm Input/Output	16-ch/4-ch		16-ch/4-ch (Optional: 16-ch/8-ch)	16-ch/8-ch	16-ch/8-ch
Internal SATA	4 SATA interfaces (up to 8 TB each)		4 SATA interfaces (up to 8 TB each)	4 SATA interfaces (up to 8 TB each)	4 SATA interfaces (up to 8 TB each)
Max. Internal Storage	32 TB		32 TB	32 TB	32 TB
Max Incoming Bandwidth (Mbps)	160		14/16P: 256 24P: 320	256	256
Maximum Outgoing Bandwidth (Mbps)	256		256	200	200
Max. Remote Connections	128		128	128	128
Rack Units	1.5		1.5	1.5	1.5
Ratings	UL/cUL Listed		UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
PoE Budget	200 W		0 (I4), 200 W (16P), 210 W (24P)	200 W	200 W
Power Requirements	100 to 240V AC, ≤20 W without HDD		100 to 240V AC, ≤20 W without HDD	100 to 240V AC, ≤30 W without HDD	100 to 240V AC, ≤30 W without HDD

Complies with ONVIF (Profile S), PSIA, CGI ISAPI. Contact for factory details  
Command Protocols: Hikvision and Pelco D/P protocols



# Value Express Solutions



Designed and built for projects that are budget-conscious and require excellent performance, the new Value Express product family delivers with upgraded H.265+ compression technology. This range of IP and TurboHD products offer all camera housing models including dome, bullet, turret, varifocal and PTZ to meet any application. From order to installation, this family of products offers quick and easy cost planning, is easy to order, and provides a simplified installation process. Value Express includes NVRs and DVRs outfitted for 4- and 8-camera systems as kits, and is flexible enough to accommodate your record-keeping needs.

## FEATURES

- Perfect for DIY applications and budget-minded customers.
- Solid metal construction for durability and varied environmental conditions.
- EXIR 2.0 (EXtended InfraRed) technology for excellent nighttime performance.
- Multiple form factors, including indoor/outdoor dome, turret and bullet.
- Available in 2 or 4 MP with fixed or motorized zoom lenses.

## NETWORK CAMERAS - VALUE EXPRESS SERIES

	OUTDOOR DOME	OUTDOOR TURRET	OUTDOOR BULLET	OUTDOOR DOME	OUTDOOR BULLET
<b>Model</b>	<b>EXIR</b> 	<b>EXIR 2.0</b> 	<b>EXIR 2.0</b> 	<b>EXIR 2.0</b> 	<b>EXIR 2.0</b> 
	<b>ECI-D12F</b> <b>ECI-D14F</b>	<b>ECI-T22F</b> <b>ECI-T24F</b>	<b>ECI-B12F</b> <b>ECI-B14F</b>	<b>ECI-D64Z2</b> <b>ECI-D62Z2</b>	<b>ECI-B62Z2</b> <b>ECI-B64Z2</b>
<b>Megapixels</b>	2/4 MP	2/4 MP	2/4 MP	2/4 MP	2/4 MP
<b>Min. Illumination (lux)</b>	<b>2 MP:</b> Color: 0.028 @ f/2.0, AGC ON B/W: 0 with IR <b>4 MP:</b> Color: 0.018 @ f/1.6 B/W: 0 with IR	<b>2 MP:</b> Color: 0.028 @ f/2.0, AGC ON B/W: 0 with IR <b>4 MP:</b> Color: 0.018 @ f/1.6 B/W: 0 with IR	<b>2 MP:</b> Color: 0.028 @ f/2.0, AGC ON B/W: 0 with IR <b>4 MP:</b> Color: 0.018 @ f/1.6 B/W: 0 with IR	<b>2 MP:</b> Color: 0.018 @ f/1.6 B/W: 0 with IR <b>4 MP:</b> Color: 0.018 @ f/1.6 B/W: 0 with IR	<b>2 MP:</b> Color: 0.018 @ f/1.6 B/W: 0 with IR <b>4 MP:</b> Color: 0.018 @ f/1.6 B/W: 0 with IR
<b>Lens Options</b>	Fixed, 2.8 mm, 4 mm, 6 mm @ f/2.0	Fixed, 2.8 mm, 4 mm, 6 mm @ f/2.0	Fixed, 2.8 mm, 4 mm, 6 mm @ f/2.0	2.8 to 12 mm @ f/1.6, motorized	2.8 to 12 mm @ f/1.6, motorized
<b>IR Range Max (meters)</b>	30	30	30	30	30
<b>Day/Night/BLC/WDR</b>	TRUE/Yes/Digital	TRUE/Yes/Digital	TRUE/Yes/Digital	TRUE/Yes/120dB	TRUE/Yes/120dB
<b>Video Compression</b>	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
<b>Max. Image Resolution (pixels) and Frame Rate</b>	<b>2 MP:</b> 1920x1080, 30 <b>4 MP:</b> 2560x1440, 20	<b>2 MP:</b> 1920x1080, 30 <b>4 MP:</b> 2560x1440, 20	<b>2 MP:</b> 1920x1080, 30 <b>4 MP:</b> 2560x1440, 20	<b>2 MP:</b> 1920x1080, 30 <b>4 MP:</b> 2560x1440, 20	<b>2 MP:</b> 1920x1080, 30 <b>4 MP:</b> 2560x1440, 20
<b>Audio Input/Output</b>	---	---	---	---	---
<b>Alarm Input/Output</b>	---	---	---	---	---
<b>Ratings</b>	<b>D12F:</b> IP67, IK10, UL/cUL Listed <b>D14F:</b> IP67, UL/cUL Listed	<b>T22F:</b> IP67, IK10 UL/cUL Listed <b>T24F:</b> IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
<b>Operating Temperature Range</b>	-30° C to 50° C (-22° F to 122° F)	-30° C to 50° C (-22° F to 122° F)	-30° C to 50° C (-22° F to 122° F)	-30° C to 50° C (-22° F to 122° F)	-30° C to 50° C (-22° F to 122° F)
<b>Power Requirements (max.)</b>	12V DC, PoE (802.3at), 5 W	12V DC, PoE (802.3at), 5 W	12V DC, PoE (802.3at), 5 W	12V DC, PoE (802.3af), 10 W	12V DC, PoE (802.3af), 10 W
<b>Brackets</b>	PC110, WM110, WMS, CB110, SRS	PC110T, WMS, PM, CM, CBS	CBXS	AB135, PC135, WML, CB135, RCM-1	CB130

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.  
See data sheet for supported analytics.



# Value Express Kits

Hikvision introduces complete recorder and camera kits for single-site applications. The Kits contain a recorder and multiple cameras in a single box, suitable for DIY applications like a residence or a small business. These IP Kits include 4 and 8 channel recorders along with 4 and 6 cameras respectively.

## SUPER VALUE KITS

### EKI-Q41T24

Includes four 2 MP Outdoor IR Turrets (ECI-T22F2) and one 4-channel NVR (ERI-Q104-P4)



### EKI-Q82T26

Includes six 2 MP Outdoor IR Turrets (ECI-T22F2) and one 8-channel NVR (ERI-Q108-P8)



## PERFORMANCE KITS

### EKI-Q41T44

Includes four 4 MP Outdoor IR Turrets (ECI-T24F2) and one 4-channel NVR (ERI-Q104-P4)




### EKI-Q82T46

Includes six 4 MP Outdoor IR Turrets (ECI-T24F2) and one 8-channel NVR (ERI-Q108-P8)



## VALUE EXPRESS KITS

SUPER VALUE TURRETS		PLUG-AND-PLAY NVR	
Model	 ECI-T22F2 ECI-T24F2	Model	
Megapixels	2/4 MP	Max. Recording Resolution	4 MP
Min. Illumination (lux)	Color: 0.028 @ f/2.0 B/W: 0 with IR	Video Compression	H.265+/H.265/H.264+/H.264
Lens	Fixed, 2.8 mm @ f/2.0	HDMI/VGA Output	1920x1080/1920x1080, synchronized output
Day/Night	IR cut filter	IP Video Input	4/8-ch NVR with integrated 4/8 port 802.3af/at PoE switch
BLC/WDR	Yes/Digital	Audio Input/Output	1/1
IR Range Max (meters)	30	Alarm Input/Output	---
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	USB	2x USB 2.0
Max. Image Resolution (pixels) and Frame Rate	2 MP: 1920x1080, 30 4 MP: 2560x1440, 20	Internal SATA	1 SATA interface (up to 6 TB each)
Motion Detection	Yes	eSATA Interface	---
Audio Input/Output	---	Max. Internal Storage	6 TB
Alarm Input/Output	---	Support DVD-RW	---
Ratings	IP67, UL/cUL Listed	Max Incoming Bandwidth (Mbps)	4-ch: 40 8-ch: 60
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	Maximum Outgoing Bandwidth (Mbps)	60
Power Requirements (max.)	12V DC, PoE (802.3af), 5.3 W	Max. Remote Connections	32
Brackets	PC110T, WMS, PM, CM, CBS	Rack Units	1
		Ratings	UL/cUL Listed
		PoE Budget	4-ch: 36 W 8-ch: 75 W
		Power Requirements	48V DC ≤10W without HDD

Complies with ONVIF (Profile S), Contact for factory details  
Command Protocols: Hikvision protocol






## TVI ANALOG CAMERAS - VALUE EXPRESS SERIES

	OUTDOOR TURRET	OUTDOOR BULLET	OUTDOOR TURRET	OUTDOOR BULLET	OUTDOOR DOME
<b>Model</b>					
	<b>ECT-T12</b>	<b>ECT-B12</b>	<b>ECT-T32V2</b>	<b>ECT-B32V2</b>	<b>ECT-D32V2</b>
<b>Video Out</b>	4 in 1 video output (switchable TVI/AHD/CVI/CVBS), 1 HD analog output	4 in 1 video output (switchable TVI/AHD/CVI/CVBS), 1 HD analog output	4 in 1 video output (switchable TVI/AHD/CVI/CVBS), 1 HD analog output	4 in 1 video output (switchable TVI/AHD/CVI/CVBS), 1 HD analog output	4 in 1 video output (switchable TVI/AHD/CVI/CVBS), 1 HD analog output
<b>Image Sensor</b>	2 MP CMOS	2 MP CMOS	2 MP CMOS	2 MP CMOS	2 MP CMOS
<b>HD-TVI Resolution</b>	2 MP	2 MP	2 MP	2 MP	2 MP
<b>CVBS Resolution</b>	960H	960H	960H	960H	960H
<b>Min. Illumination (lux)</b>	Color: 0.01 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ f/1.2, AGC ON, B/W: 0 with IR
<b>Lens</b>	2.8 mm, 3.6 mm, 6 mm	2.8 mm, 3.6 mm, 6 mm	2.8 to 12 mm	2.8 to 12 mm	2.8 to 12 mm
<b>Horizontal Angle of View</b>	103° (2.8 mm), 80.7° (3.6 mm), 50.1° (6 mm)	103° (2.8 mm), 80.7° (3.6 mm), 50.1° (6 mm)	111.5° to 33.4°	111.5° to 33.4°	111.5° to 33.4°
<b>Pan/Tilt/Rotation</b>	0° to 360° / 0° to 75° / 0° to 360°	0° to 360°/0° to 180° / 0° to 360°	0° to 360° / 0° to 75° / 0° to 360°	0° to 360°/0° to 90° / 0° to 360°	0° to 355°/0° to 75° / 0° to 355°
<b>Day/Night</b>	TRUE	TRUE	TRUE	TRUE	TRUE
<b>BLC/WDR</b>	Yes/Yes	---	Yes/Yes	Yes/Yes	Yes/Yes
<b>IR Range max (meters)</b>	20	20	40	40	40
<b>Vertical Synchronization</b>	Internal	Internal	Internal	Internal	Internal
<b>OSD Menu via Up-the-Coax (UTC)</b>	Yes	Yes	Yes	Yes	Yes
<b>Ratings</b>	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed
<b>Operating Temperature Range</b>	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
<b>Power Requirements (max.)</b>	12V DC Max. 4 W	12V DC Max. 4 W	12V DC Max. 4.8 W	12V DC Max. 4.8 W	12V DC Max. 3.9 W
<b>Brackets</b>	CBXS, PC110T	CBXS	PC130T, CBT-1, CBM, ABM	CBS	PC140, SRSL






## ANALOG PTZ CAMERAS AND DIGITAL VIDEO RECORDERS - VALUE EXPRESS SERIES

INDOOR PTZ			OUTDOOR PTZ				DVR			
Model					Model					
	<b>EPT-4215-D3</b>		<b>EPT-4215I-D</b>			<b>ERT-F2041/ERT-F2042</b>		<b>ERT-F2082/ERT-F2084</b>		<b>ERT-F2162/ERT-F2164</b>
Video Out	HD-TVI/CVBS, UTC Menu		HD-TVI/CVBS, UTC Menu		Max. Recording Resolution	2 MP		2 MP		2 MP
Image Sensor	1/2.8" progressive scan CMOS		1/2.8" progressive scan CMOS		Video Compression	H.264+/H.264		H.264+/H.264		H.264+/H.264
Min. Illumination (lux)	Color: 0.005 @ f/1.6, AGC ON B/W: 0.001 @ f/1.6, AGC ON		Color: 0.005 @ f/1.6, AGC ON B/W: 0.001 @ f/1.6, AGC ON		HDMI/VGA Output	1920x1080		1920x1080		3840x2160, 2560x1440, 1920x1080/ 2560x1440, 1920x1080
HD-TVI Resolution	1920x1080		1920x1080		Analog Input	4-Ch, 1.0 Vp-p, 75 Ω		8-Ch, 1.0 Vp-p, 75 Ω		16-Ch, 1.0 Vp-p, 75 Ω
CVBS Resolution	600 TVL		600 TVL		Video Standard	HD-TVI/CVBS (auto-detect)		HD-TVI/CVBS (auto-detect)		HD-TVI/CVBS (auto-detect)
Lens	5 to 75 mm, motorized zoom, autofocus		5 to 75 mm, motorized zoom, autofocus		Audio Input/Output	1-ch/1-ch		1-ch/1-ch		1-ch/1-ch
Horizontal Angle of View	53.8° to 4.0°		53.8° to 4.0°		USB 2.0	2x USB 2.0		2x USB 2.0		2x USB 2.0
Optical Zoom	15x		15x		Internal SATA	Preloaded HDD configurations		Preloaded HDD configurations		Preloaded HDD configurations
Pan Range	360° endless		360° endless		Max Internal Storage	1 and 2 TB models		2 and 4 TB models		2 and 4 TB models
Tilt Range	-5° to 90° (auto flip)		-5° to 90° (auto flip)		Max. fps	720p, 30 1080p, 12		720p, 30 1080p, 12		720p, 30 1080p, 12
Pan & Tilt Speed (Manual)	0.1° to 100°/sec. & 0.1° to 80°/sec.		0.1° to 100°/sec. & 0.1° to 80°/sec.		Max. Analog (CVBS) Resolution	960H		960H		960H
Pan & Tilt Speed (Preset)	100°/sec. & 80°/sec.		100°/sec. & 80°/sec.		Hikvision IP Camera Support	1-ch up to 1080p		2-ch up to 1080p		2-ch up to 1080p
Day/Night/BLC/WDR	TRUE/Yes/120 dB		TRUE/Yes/120 dB		OSD Menu-Up-the-Coax	Yes		Yes		Yes
IR Range max (meters)	---		100m		Smart Play	Yes		Yes		Yes
Presets/Tours/Patterns	256/10/5		256/10/5		Max Incoming/Outgoing Bandwidth (Mbps)	60		96		128
Up-the Coax Control	Hikvision-C		Hikvision-C		Ratings	UL/cUL Listed		UL/cUL Listed		UL/cUL Listed
RS485 Control	Hikvision, Pelco D/P		Hikvision, Pelco D/P		Rack Units	1		1		1
Ratings	UL/cUL Listed		IP66, UL/cUL Listed		Power Requirements	12V DC, 8 W		12V DC, 12 W		12V DC, 20 W
Operating Temperature Range	-10° C to 50° C (14° F to 122° F)		-10° C to 50° C (14° F to 122° F)							
Power Requirements (max.)	12V DC, 12 W		12V DC, 20 W							
Brackets	Included		WMP-L, JBPW, CPM-S, CPM-L, SNB-PV							


Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.  
See data sheet for supported analytics.

## NETWORK CAMERA - VALUE SERIES

WI-FI DOME	
Model	 <b>DS-2CD2041G1-IDW1</b> <b>DS-2CD2141G1-IDW2</b>
Megapixels	4 MP
Min. Illumination (lux)	Color: 0.028 @ f/2.0 , AGC ON
Lens	2.8 mm, 4 mm options
Day/Night/BLC/WDR	TRUE/Yes/DWDR
IR Range Max (meters)	30
Video Compression	H.265+/H.265/ H.264+/H.264/MJPEG
Max. Image Resolution (pixels)	2560x1440, 20
Motion Detection	Yes
Wireless	IDW1: IEEE 802.11b/g/n@2.4GHz, 20 dBm IDW2: IEEE 802.11b/g/n@2.4GHz, 30 dBm
Audio Input/Output	Mic: Built in OUT: 1 line
Alarm Input/Output	---
Ratings	UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)
Power Requirements (max.)	12V DC, 0.7 A, Max: 7.5 W, PSU included
Brackets	---

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.  
See data sheet for supported analytics.

## NETWORK VIDEO RECORDER

WI-FI NVR	
Model	 <b>DS-7104NI-K1/W/M</b> <b>DS-7108NI-K1/W/M</b>
Video Compression	H.265+/H.265/ H.264+/H.264
HDMI/VGA Output	1920x1080/1920x1080
IP Video Input	<b>7104NI:</b> 4-ch <b>7108NI:</b> 8-ch
Network Interface	1 LAN
Wireless	IEEE 802.11b/g/n
Audio Input/Output	-/1 (RCA)
USB	2x USB 2.0
Internal SATA	1 (up to 6 TB)
Max Incoming Bandwidth (Mbps)	50
Maximum Outgoing Bandwidth (Mbps)	40
Max. Remote Connections	---
Ratings	UL/cUL Listed
Power Requirements	12V DC, PSU included
Max Total Power w/full HDD load	12 W without HDDs

# Wi-Fi Kits

Hikvision is introducing new Wi-Fi Kits complete with recorder and cameras for single-site applications. The kits contain a recorder and multiple cameras in a single box, suitable for DIY applications, like a residence or a small business. The Wi-Fi Kits will include a 4 channel recorder along with 4 cameras respectively. Contact your factory representative for more information.

### NK44W1H-1T (WD)

Includes Four Wi-Fi Dome Cameras ([DS-2CD2141G1-IDW1](#)), one 4-channel Wi-Fi NVR ([DS-7104NI-K1/W/M](#)), and one 1 TB Hard Disk Drive ([HK-HDD1T](#))\*  
\*Hard Disk Drive not shown in picture



# TurboHD™ Solutions



Enjoy high definition video using existing cabling with Hikvision's TurboHD HD-TVI technology. It provides HD video up to 4K over coaxial cable at distances up to 2,600 feet. Specially designed for analog users who want a high-definition surveillance system without upgrading to IP or replacing existing cabling structures. TurboHD Plug and Play DVR products offer several models scalable for small to mid-sized businesses with 4 to 32 channels. All TurboHD DVRs are Tribrid—a true revolution in the professional surveillance market—supporting traditional analog (CVBS), HD-TVI, and IP cameras. Thanks to autosensing technology, installation is extremely easy. These DVR products also provide:

## FEATURES

- Choice of budget level series (U1T, H0T, D3T) up to fully featured series (U8T, H5T, D9T) in form factors of dome, turret and bullet.
- Varied resolutions available: 720p, 1080p (2 MP), 5 MP and 8 MP (4K).
- Unique features like Power over Coax (PoC) models which reduce installation costs dramatically.
- Tribrid DVRs, including H.265+ video compression reducing storage requirements
- On-Screen-Display (OSD) menu available up-the-coax (UTC) for managing camera settings.
- New multi-standard support for TVI, AHD, CVI and CVBS analog signals on several camera models.

## TurboHD™ ANALOG CAMERAS

OUTDOOR TURRET							
	ColorVu	EXIR 2.0	EXIR 2.0	EXIR 2.0 (PoC)	EXIR 2.0 (PoC)	EXIR 2.0 (PoC)	EXIR 2.0 (PoC)
							
	DS-2CE72DFT-F	DS-2CE79U8T-IT3Z	DS-2CE78U8T-IT3	DS-2CE56H5T-IT3ZE	DS-2CE56H5T-ITME	DS-2CE56H5T-IT1E	DS-2CE56H5T-IT3E
TurboHD Platform	5.0	4.0	4.0	4.0	4.0	4.0	4.0
Megapixels	2 MP	8 MP	8 MP	5 MP	5 MP	5 MP	5 MP
Video Out	TVI/AHD/CVI/CVBS	HD-TVI	HD-TVI	HD-TVI	HD-TVI	HD-TVI	HD-TVI
HD-TVI Resolution	1920x1080	3840x2160	3840x2160	2560x1944	2560x1944	2560x1944	2560x1944
CVBS Resolution	960H	720x576	720x576	---	---	---	---
Min. Illumination (lux)	Color: 0.0005 @ f/1.0, AGC ON, B/W: 0 with IR	Color: 0.003 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.003 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.008 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.008 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.008 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.008 @ f/1.2, AGC ON, B/W: 0 with IR
Lens	Fixed 2.8 mm, 3.6 mm	2.8 mm to 12 mm motorized vari-focal lens	Fixed 2.8 mm, 3.6 mm	2.8 mm to 12 mm motorized vari-focal lens	Fixed 2.8 mm, 3.6 mm, 6 mm	Fixed 2.8 mm, 3.6 mm, 6 mm	Fixed 2.8 mm, 3.6 mm, 6 mm, 8 mm, 12 mm
Day/Night/BLC/WDR	24/7 Color/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/Digital	TRUE/Yes/Digital	TRUE/Yes/Digital	TRUE/Yes/Digital
IR Range max (meters)	White Light Distance Up to 20 m	80	60	80	40	20	40
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC ±25%, 3 W	12V DC ±25%, 14 W	12V DC ±25%, 4.8 W	12V DC ±25%/PoC.af, 8 W	12V DC ±25%/PoC.af, 9 W	12V DC ±25%/PoC.af, 4.5 W	12V DC ±25%/PoC.af, 4.5 W
Brackets	PC110T, CBS, ABS	PC130T, CBM, ABM	PC110T, CBS, ABS	PC130T, CBM, ABM	PC110T, CBXS	PC110T/CBS/ABS	PC110T, CBS, ABS



## TurboHD™ ANALOG CAMERAS

OUTDOOR TURRET							
Model	<b>EXIR 2.0</b> 	<b>EXIR 2.0</b> 	<b>EXIR 2.0</b> 	<b>EXIR 2.0</b> 	<b>EXIR 2.0 (PoC)</b> 	<b>EXIR 2.0</b> 	<b>EXIR 2.0</b> 
	DS-2CE56H0T-ITMF	DS-2CE56H0T-IT3F	DS-2CE56H0T-IT3ZF	DS-2CE71H0T-PIRL	DS-2CC52D9T-IT3E	DS-2CE71D8T-PIRL	DS-2CE56D8T-ITM (White) DS-2CE56D8T-ITMB (Black)
TurboHD Platform	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Megapixels	5 MP	5 MP	5 MP	5 MP	2 MP	2 MP	2 MP
Video Out	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	HD-TVI	HD-TVI	HD-TVI	HD-TVI
HD-TVI Resolution	2560x1944	2560x1944	2560x1944	2560x1944	1920x1080	1920x1080	1920x1080
CVBS Resolution	960H	960H	960H	---	720x576	---	---
Min. Illumination (lux)	Color: 0.01 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.003 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ f/1.2, AGC ON, B/W: 0 with IR
Lens	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm, 3.6 mm	2.7 mm to 13.5 mm motorized vari-focal lens	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm, 3.6 mm, 6 mm	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm, 3.6 mm, 6 mm
Day/Night/BLC/WDR	TRUE/Yes/Digital	TRUE/Yes/Digital	TRUE/Yes/Digital	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB
IR Range max (meters)	20	40	40	20	40	20	20
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC ±25%, 4.3 W	12V DC ±25%, 4.3 W	12V DC ±25%, 6.3 W	12V DC ±25%, 4.5 W	12V DC ±30%, PoC.af, 4 W	12V DC ±25%, 4.5 W	12V DC ±25%, 3.6 W
Brackets	PC110T, PM, CBXS	PC110T, CBS, ABS	PC130T, CBM, ABM	PC110T, CBS, ABS	PC110T, CBS, ABS	PC110T, CBS, ABS	CBXS

## TurboHD™ ANALOG CAMERAS






OUTDOOR TURRET							
Model	 <b>EXIR 2.0</b>	 <b>EXIR 2.0</b>	 <b>EXIR 2.0</b>	 <b>EXIR 2.0</b>	 <b>EXIR 2.0</b>	 <b>EXIR 2.0</b>	 <b>EXIR 2.0</b>
	<b>DS-2CE56D8T-IT3</b>	<b>DS-2CE56D8T-IT3Z</b>	<b>DS-2CE56D8T-IT1</b>	<b>DS-2CE76D3T-ITMF</b>	<b>DS-2CE78D3T-IT3F</b>	<b>DS-2CE79D3T-IT3ZF</b>	<b>DS-2CE71D0T-PIRL</b>
TurboHD Platform	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Megapixels	2 MP	2 MP	2 MP	2 MP	2 MP	2 MP	2 MP
Video Out	HD-TVI	HD-TVI	HD-TVI	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	HD-TVI
HD-TVI Resolution	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080
CVBS Resolution	---	---	---	700TVL	700TVL	700TVL	---
Min. Illumination (lux)	Color: 0.005 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ f/1.2, AGC ON, B/W: 0 with IR
Lens	Fixed 2.8 mm, 3.6 mm, 6 mm, 8 mm, 12 mm	2.8 to 12 mm motorized vari-focal lens	Fixed 2.8 mm, 3.6 mm, 6 mm	Fixed 2.8 mm, 3.6 mm, 6 mm	Fixed 2.8 mm, 3.6 mm, 6 mm	2.7 mm to 13.5 mm motorized vari-focal lens	Fixed 2.8 mm, 3.6 mm
Day/Night/BLC/WDR	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB
IR Range max (meters)	40	40	20	30	50	70	20
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC ±25%, 3.6 W	12V DC ±25%, 7.5 W	12V DC ±25%, 3.2 W	12V DC ±25%, 4.6 W	12V DC ±25%, 4.6 W	12V DC ±25%, 7.7 W	12V DC ±25%, 4 W
Brackets	CBXS	PC130T, CBM, ABM	PC110T, CBS, ABS	PC110T, CBXS	PC110T, ABS, CBS	PC130T, CBM, ABM	PC110T, CBS, ABS



## TurboHD™ ANALOG CAMERAS

	OUTDOOR DOME				INDOOR DOME		OUTDOOR DOME
Model	<b>EXIR 2.0</b> 	<b>EXIR 2.0</b> 	<b>EXIR 2.0 (PoC)</b> 	<b>EXIR 2.0 (PoC)</b> 	<b>EXIR 2.0</b> 	<b>EXIR 2.0</b> 	<b>EXIR 2.0</b> 
	<b>DS-2CE59U8T-AVPIT3Z</b>	<b>DS-2CE57U8T-VPIT</b>	<b>DS-2CE56H5T-VPITE</b>	<b>DS-2CE56H5T-VPIT3ZE</b>	<b>DS-2CE56H0T-VPITF</b>	<b>DS-2CE56H0T-AITZF</b>	<b>DS-2CE56H0T-AVPIT3ZF</b>
TurboHD Platform	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Megapixels	8 MP	8 MP	5 MP	5 MP	5 MP	5 MP	5 MP
Video Out	HD-TVI	HD-TVI	HD-TVI	HD-TVI	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS
HD-TVI Resolution	3840x2160	3840x2160	2560x1944	2560x1944	2560x1944	2560x1944	2560x1944
CVBS Resolution	720x576	720x576	---	---	960H	960H	960H
Min. Illumination (lux)	Color: 0.003 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.003 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.008 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.008 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ f/1.2, AGC ON, B/W: 0 with IR
Lens	2.8 to 12 mm motorized vari-focal lens	Fixed 2.8 mm, 3.6 mm, 6 mm	Fixed 2.8 mm, 3.6 mm, 6 mm	2.8 to 12 mm motorized vari-focal lens	Fixed 2.8 mm, 3.6 mm, 6 mm	2.7 to 13.5 mm motorized vari-focal lens	2.7 to 13.5 mm motorized vari-focal lens
Day/Night/BLC/WDR	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/Digital	TRUE/Yes/Digital	TRUE/Yes/Digital	TRUE/Yes/Digital	TRUE/Yes/Digital
IR Range max (meters)	60	40	20	40	Up to 20 m	40	40
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, UL/cUL Listed	IP67, IK10, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC ±25%, 24V DC ±25%, 10.5 W	12V DC ±25%, 4.8 W	12V DC ±25%, PoC.af, 4.5 W	12V DC ±25%, ±25%/PoC.at, 8 W	12V DC ±25%, 4.3 W	12V DC ±15%, 24V AC ±15%, 6 W	12V DC ±15%, 24V AC ±15%, 6 W
Brackets	PC140, RCM-2, SRS, SRSL	PC110, CB110, AB110, WM110, SRS, SRSM	PC110, CB110, AB110, WM110, SRS, SRSM	PC140, RCM-2, SRS, SRSL	PC110, CB110, AB110, WM110, SRS, SRSM	PC130, RCM-3, SRS, SRSL	PC140, RCM-2, SRS, SRSL

## TurboHD™ ANALOG CAMERAS

	INDOOR DOME	OUTDOOR DOME					
Model	EXIR (PoC) 	EXIR 2.0 (PoC) 	EXIR 2.0 	EXIR 2.0 	EXIR 2.0 	EXIR 2.0 	EXIR 
	DS-2CC52D9T-AITZE	DS-2CC52D9T-AVPIT3ZE (White) DS-2CC52D9T-AVPIT3ZEB (Black)	DS-2CE56D8T-VPIT (White) DS-2CE56D8T-VPITB (Black)	DS-2CE56D8T-AVPIT3Z (White) DS-2CE56D8T-AVPIT3ZB (Black)	DS-2CE56D8T-AITZ	DS-2CE57D3T-VPITF	DS-2CE5AD3T-AVPIT3ZF
TurboHD Platform	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Megapixels	2 MP	2 MP	2 MP	2 MP	2 MP	2 MP	2 MP
Video Out	HD-TVI	HD-TVI	HD-TVI	HD-TVI	HD-TVI	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS
HD-TVI Resolution	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080
CVBS Resolution	720x576	720x576	---	---	---	700TVL	700TVL
Min. Illumination (lux)	Color: 0.003 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.003 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ f/1.2, AGC ON, B/W: 0 with IR
Lens	2.8 to 12 mm, motorized vari-focal lens	2.8 to 12 mm, motorized vari-focal lens	Fixed 2.8 mm, 3.6 mm, 6 mm	2.8 to 12 mm motorized vari-focal lens	2.8 mm to 12 mm motorized vari-focal lens	Fixed 2.8 mm, 3.6 mm, 6 mm	2.7 mm to 13.5 mm motorized vari-focal lens
Day/Night/BLC/WDR	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB
IR Range max (meters)	40	40	20	40	20	30	70
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP50, UL/cUL Listed	IP67,IK10, UL/cUL Listed	IP67,IK10, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	24V AC/12V DC ±30%, PoC.at, 6 W	24V AC/12V DC ±30%, PoC.at, 6 W	12 V DC ±25%, 3.2 W	12 V DC ±25%, 24 V AC ±25%, 7 W	12V DC ±25%, 24V AC ±25%, 7 W	12V DC ±25%, 4.6 W	24V AC ±15%, 12V DC ±20%, 9.7 W
Brackets	PC130, RCM-3, SRS, SRSL	PC140, RCM-2, SRS, SRSL	CB110	PC130	PC130, RCM-3, SRS, SRSL	AB110, PC110, CB110, WM110	AB110, PC110, CB110, WM110












## TurboHD™ ANALOG CAMERAS

	OUTDOOR DOME	OUTDOOR BULLET					
Model	<b>EXIR 2.0</b> 	<b>ColorVu</b> 	<b>ColorVu</b> 	<b>EXIR 2.0</b> 	<b>EXIR 2.0</b> 	<b>EXIR 2.0</b> 	<b>EXIR 2.0 (PoC)</b> 
	<b>DS-2CE56D5T-AVPIR3ZH</b>	<b>DS-2CE10DFT-F</b>	<b>DS-2CE12DFT-F</b>	<b>DS-2CE19U8T-AIT3Z</b>	<b>DS-2CE18U8T-IT3</b>	<b>DS-2CE17U8T-IT</b>	<b>DS-2CE16H5T-IT1E</b>
TurboHD Platform	4.0	5.0	5.0	4.0	4.0	4.0	4.0
Megapixels	2 MP	2 MP	2 MP	8 MP	8 MP	8 MP	5 MP
Video Out	HD-TVI/CVBS (Dual)	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	HD-TVI	HD-TVI	HD-TVI	HD-TVI
HD-TVI Resolution	1920x1080	1920x1080	1920x1080	3840x2160	3840x2160	3840x2160	2560x1944
CVBS Resolution	600TVL	960H	960H	720x576	720x576	720x576	---
Min. Illumination (lux)	Color: 0.014 @ f/1.4 B/W: 0 with IR	Color: 0.0005 @ f/1.0, AGC ON, B/W: 0 with IR	Color: 0.0005 @ f/1.0, AGC ON, B/W: 0 with IR	Color: 0.003 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.003 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.003 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.008 @ f/1.2, AGC ON, B/W: 0 with IR
Lens	2.8 to 12 mm motorized vari-focal lens	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm, 3.6 mm	2.8 to 12 mm motorized vari-focal lens	Fixed 2.8 mm, 3.6 mm, 6 mm	Fixed 2.8 mm, 3.6 mm, 6mm	Fixed 2.8 mm, 3.6 mm, 6 mm
Day/Night/BLC/WDR	TRUE/Yes/120 dB	24/7 Color/Yes/120 dB	24/7 Color/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/Digital
IR Range max (meters)	40	White Light Distance Up to 20 m	White Light Distance Up to 40 m	80	60	40	30
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP66/IK10, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP65, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	11V DC, 9 W 24V AC, 9 W	12V DC ±25%, 3 W	12V DC ±25%, 4.2 W	12V DC ±25%, 24V DC ±25%, 14.5 W	12V DC ±25%, 4.8 W	12V DC ±25%, 4.8 W	12V DC ±25%/PoC.af, 4.5 W
Brackets	PC140	CBXS	CBXS	CBS	CBXS	CBXS	CBXS

## TurboHD™ ANALOG CAMERAS

OUTDOOR BULLET							
Model	EXIR (PoC)	EXIR 2.0 (PoC)	EXIR 2.0 (PoC)	EXIR 2.0	EXIR 2.0	EXIR 2.0	EXIR 2.0 (PoC)
							
	DS-2CE16H5T-IT3E	DS-2CE16H5T-IT5E	DS-2CE16H5T-ITE	DS-2CE16H0T-IT3F	DS-2CE16H0T-IT5F	DS-2CE16H0T-AIT3ZF	DS-2CC12D9T-AIT3ZE
TurboHD Platform	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Megapixels	5 MP	5 MP	5 MP	5 MP	5 MP	5 MP	2 MP
Video Out	HD-TVI	HD-TVI	HD-TVI	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	HD-TVI
HD-TVI Resolution	2560x1944	2560x1944	2560x1944	2560x1944	2560x1944	2560x1944	1920x1080
CVBS Resolution	---	---	---	960H	960H	960H	720x576
Min. Illumination (lux)	Color: 0.008 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.008 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.008 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.003 @ f/1.2, AGC ON, B/W: 0 with IR
Lens	Fixed 2.8 mm, 3.6 mm, 6 mm, 8 mm	Fixed 3.6 mm, 6 mm, 8 mm, 12 mm	Fixed 2.8 mm, 3.6 mm, 6 mm	Fixed 2.8 mm, 3.6 mm	Fixed 3.6 mm, 6 mm, 12 mm	2.7 to 13.5 mm motorized vari-focal lens	2.8 mm to 12 mm motorized vari-focal lens
Day/Night/BLC/WDR	TRUE/Yes/Digital	TRUE/Yes/Digital	TRUE/Yes/Digital	TRUE/Yes/Digital	TRUE/Yes/Digital	TRUE/Yes/Digital	TRUE/Yes/120 dB
IR Range max (meters)	20	40	20	Up to 40 m	Up to 80 m	Up to 40 m	40
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC ±25%/PoC.af, 4.5 W	12V DC ±25%/PoC.af, 6.5 W	12V DC ±25%/PoC.af, 3.5W	12V DC ±25%, 4.3 W	12V DC ±25%, 5.2 W	12V DC ±15%, 24V AC ±15%, 8.9 W	24V AC/12V DC ±30%, PoC.at, 7.5 W
Brackets	CBXS	CBXS	CBXS	CBXS	CBXS	CBS	CBS



## TurboHD™ ANALOG CAMERAS




OUTDOOR BULLET							
Model	EXIR 2.0 (PoC) 	EXIR 2.0 (PoC) 	EXIR 2.0 	EXIR 2.0 	EXIR 2.0 	EXIR 2.0 	EXIR 2.0 
	DS-2CC12D9T-IT3E	DS-2CC12D9T-IT5E	DS-2CE16D9T-AIRAZH	DS-2CE11D8T-PIRL	DS-2CE12D8T-PIRL	DS-2CE16D8T-AIT3Z	DS-2CE16D8T-IT
TurboHD Platform	4.0	4.0	1.0	4.0	4.0	4.0	4.0
Megapixels	2 MP	2 MP	2 MP	2 MP	2 MP	2 MP	2 MP
Video Out	HD-TVI	HD-TVI	HD-TVI/CVBS (Dual)	HD-TVI	HD-TVI	HD-TVI	HD-TVI
HD-TVI Resolution	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080
CVBS Resolution	720x576	720x576	600TVL	---	---	---	---
Min. Illumination (lux)	Color: 0.003 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.003 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.028 @ f/2.0 B/W: 0 with IR	Color: 0.005 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ f/1.2, AGC ON, B/W: 0 with IR
Lens	Fixed 2.8 mm, 3.6 mm, 6 mm	Fixed 2.8 mm, 3.6 mm, 6 mm	5 to 50 mm motorized vari-focal lens	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm, 3.6 mm	2.8 to 12 mm motorized vari-focal lens	Fixed 2.8 mm, 3.6 mm, 6 mm
Day/Night/BLC/WDR	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB
IR Range max (meters)	40	80	110	20	20	40	20
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP66, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC ±30%, PoC.af, 4 W	12V DC ±30%, PoC.at, 5.5 W	12V DC, 20 W 24V AC, 20 W	12V DC ±25%, 4.5 W	12V DC ±25%, 4.5 W	12V DC ±25%, 24V AC ±25%, 9 W	12V DC ±25%, 3.6 W
Brackets	CBXS	CBXS	CB130, CBS	CBXS	CBXS	CBS	CBXS

## TurboHD™ ANALOG CAMERAS

OUTDOOR BULLET							
Model	EXIR 2.0 	EXIR 2.0 	EXIR 2.0 	EXIR 2.0 		EXIR 2.0 	EXIR 2.0 
	DS-2CE16D8T-IT1	DS-2CE16D8T-IT3	DS-2CE16D8T-IT5	DS-2CE16D8T-ITP	DS-2CE16D5T-AIR3ZH	DS-2CE16D3T-I3F	DS-2CE16D3T-IT3F
TurboHD Platform	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Megapixels	2 MP	2 MP	2 MP	2 MP	2 MP	2 MP	2 MP
Video Out	HD-TVI	HD-TVI	HD-TVI	HD-TVI	HD-TVI/CVBS (Dual)	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS
HD-TVI Resolution	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080
CVBS Resolution	---	---	---	---	600TVL	700TVL	700TVL
Min. Illumination (lux)	Color: 0.005 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.014 @ f/1.4 B/W: 0 with IR	Color: 0.005 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ f/1.2, AGC ON, B/W: 0 with IR
Lens	Fixed 2.8 mm, 3.6 mm, 6 mm, 8 mm	Fixed 2.8 mm, 3.6 mm, 6 mm, 8 mm	Fixed 2.8 mm, 3.6 mm, 6 mm, 8 mm	Fixed 2.8 mm, 3.6 mm, 6 mm	2.8 to 12 mm motorized vari-focal lens	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm, 3.6 mm
Day/Night/BLC/WDR	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB
IR Range max (meters)	20	40	80	20	40	30	50
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP66, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC ±25%, 3.2 W	12V DC ±25%, 3.6 W	12V DC ±25%, 5.8 W	12V DC ±25%, 3.5 W	12V DC, 12 W 24V AC, 12 W	12V DC ±25%, 4.7 W	12V DC ±25%, 5.6 W
Brackets	CBXS	CBXS	CBXS	CBXS	CBS	CBXS	CBXS






## TurboHD™ ANALOG CAMERAS

OUTDOOR BULLET						
Model	EXIR 2.0	EXIR 2.0	EXIR 2.0	EXIR 2.0	EXIR 2.0	EXIR 2.0
						
	DS-2CE16D3T-ITF	DS-2CE19D3T-AIT3ZF	DS-2CE11D0T-PIRL	DS-2CE11H0T-PIRL	DS-2CE12H0T-PIRL	DS-2CE12D0T-PIRL
TurboHD Platform	4.0	4.0	4.0	4.0	4.0	4.0
Megapixels	2.0	2 MP	2 MP	5 MP	5 MP	2 MP
Video Out	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	HD-TVI	HD-TVI	HD-TVI	HD-TVI
HD-TVI Resolution	1920x1080	1920x1080	1920x1080	2560x1944	2560x1944	1920x1080
CVBS Resolution	700TVL	700TVL	---	---	---	---
Min. Illumination (lux)	Color: 0.005 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ f/1.2, AGC ON, B/W: 0 with IR
Lens	Fixed 2.8 mm, 3.6 mm, 6 mm	2.7 mm to 13.5 mm motorized vari-focal lens	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm, 3.6 mm
Day/Night/BLC/WDR	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/No	TRUE/Yes/No	TRUE/Yes/120 dB
IR Range max (meters)	30	70	20	20	20	20
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC ±25%, 4.6W	24V AC ±15%, 12V DC ±20%, 9.7 W	12 VDC ±25%, 4.5 W	12V DC ±25%, 4.5 W	12V DC ±25%, 4.5 W	12V DC ±25%, 4 W
Brackets	CBXS	CBS	CBXS	CBXS	CBXS	CBXS

## TurboHD™ ANALOG CAMERAS







	INDOOR BOX CAMERA	INDOOR FISHEYE	INDOOR BOX CAMERA	INDOOR CUBE
Model	 <small>*Lens not included</small>	<b>EXIR</b> 	 <small>*Lens not included</small>	<b>EXIR</b> 
	<b>DS-2CE37U8T-A</b>	<b>DS-2CC52H1T-FITS</b>	<b>DS-2CC12D8T-AMM</b>	<b>DS-2CE38D8T-PIR</b>
<b>TurboHD Platform</b>	4.0	4.0	4.0	4.0
<b>Megapixels</b>	8 MP	5 MP	2 MP	2 MP
<b>Video Out</b>	HD-TVI	HD-TVI	HD-TVI/CVBS (Selectable)	HD-TVI
<b>HD-TVI Resolution</b>	3840x2160	2560x1944	1920x1080	1920x1080
<b>CVBS Resolution</b>	720x576	---	960H	---
<b>Min. Illumination (lux)</b>	Color: 0.003 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ f/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ f/1.2, AGC ON, B/W: 0 with IR
<b>Lens</b>	C/CS mount	1.1 mm	C/CS Mount	Fixed, 2.8 mm, 3.6 mm
<b>Day/Night/BLC/WDR</b>	TRUE/Yes/120 dB	TRUE	Auto/Color/BW (Black and White)/Yes/120 dB	TRUE/Yes/120 dB
<b>IR Range max (meters)</b>	---	20	---	20
<b>OSD Menu via Up-the-Coax (UTC)</b>	Yes	Yes	Yes	Yes
<b>Ratings</b>	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
<b>Operating Temperature Range</b>	-40° C to 60° C (-40° F to 140° F)	-20° C to 60° C (-4° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
<b>Power Requirements (max.)</b>	12V DC ±25%, 24V AC ±25%, 10 W	12V DC ±15%, 5.5 W	12V DC ±25%, 24V AC ±25%, 3 W	12V DC ±25%, 5W
<b>Brackets</b>	CBXS	AB-FE2, WM-C	---	Included

## TurboHD™ ANALOG PTZ CAMERAS - 720p AND 1080p

	OUTDOOR IR	INDOOR	OUTDOOR
Model			
	<b>DS-2AE7232TI-A</b>	<b>DS-2AE5232T-A3</b>	<b>DS-2AE5232T-A</b>
<b>Video Out</b>	TVI/AHD/CVI/CVBS, selectable	TVI/AHD/CVI/CVBS, selectable	TVI/AHD/CVI/CVBS, selectable
<b>Min. Illumination (lux)</b>	Color: 0.005 @ f/1.6, AGC ON B/W: 0.001 @ f/1.6, AGC ON 0 with IR	Color: 0.005 @ f/1.6, AGC ON B/W: 0.001 @ f/1.6, AGC ON	Color: 0.005 @ f/1.6, AGC ON B/W: 0.001 @ f/1.6, AGC ON
<b>HD-TVI Resolution</b>	1920x1080	1920x1080	1920x1080
<b>CVBS Resolution</b>	960H	960H	960H
<b>Lens</b>	4.8 mm to 153 mm motorized vari-focal lens	4.8 mm to 153 mm motorized vari-focal lens	4.8 mm to 153 mm motorized vari-focal lens
<b>Horizontal Angle of View</b>	54.2° to 1.97°	55.6° to 2.04°	55.6° to 2.04°
<b>Optical Zoom</b>	32x	32x	32x
<b>Pan &amp; Tilt Speed (Manual)</b>	Pan manual speed: 0.1° to 160°/s Tilt manual speed: 0.1° to 120°/s	Pan manual speed: 0.1° to 250°/s Tilt manual speed: 0.1° to 150°/s	Pan manual speed: 0.1° to 250°/s Tilt manual speed: 0.1° to 150°/s
<b>Pan &amp; Tilt Speed (Preset)</b>	Pan preset speed: 160°/s Tilt preset speed: 120°/s	Pan preset speed: 250°/s Tilt preset speed: 150°/s	Pan preset speed: 250°/s Tilt preset speed: 150°/s
<b>Day/Night/BLC/WDR</b>	TRUE/Yes/Digital	TRUE/Yes/Digital	TRUE/Yes/Digital
<b>IR Range max (meters)</b>	150	---	---
<b>Ratings</b>	IP66, UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
<b>Operating Temperature Range</b>	-30° C to 65° C (-22° F to 149° F)	-10° C to 50° C (14° F to 122° F)	-30° C to 65° C (-22° F to 149° F)
<b>Power Requirements (max.)</b>	24V AC Max. 40 W (IR: 14 W)	24V AC Max. 18 W	24V AC Max. 24 W
<b>Brackets</b>	WMP-L, JBPW-L, CPM-S, CPM-L, RPM	Included	WMP-L, JBPW-L, CPM-S, CPM-L, RPM








## TurboHD™ ANALOG PTZ CAMERAS - 720p AND 1080p

	INDOOR	OUTDOOR		OUTDOOR IR	INDOOR	OUTDOOR
<b>Model</b>						
	<b>DS-2AE5225T-A3</b>	<b>DS-2AE5225T-A</b>	<b>DS-2AE5123T-A</b>	<b>DS-2AE5123TI-A</b>	<b>DS-2AE4225T-A3</b>	<b>DS-2AE4225T-A</b>
<b>Video Out</b>	TVI/AHD/CVI/CVBS, selectable	TVI/AHD/CVI/CVBS, selectable	HD-TVI/ CVBS, UTC menu	HD-TVI/ CVBS, UTC menu	TVI/AHD/CVI/CVBS, selectable	TVI/AHD/CVI/CVBS, selectable
<b>Min. Illumination (lux)</b>	Color: 0.005 @ f/1.6, AGC ON B/W: 0.001 @ f/1.6, AGC ON	Color: 0.005 @ f/1.6, AGC ON B/W: 0.001 @ f/1.6, AGC ON	Color: 0.02 @ f/1.6 B/W: 0.002 @ f/1.6	Color: 0.05 @ f/1.4 B/W: 0.005 @ f/1.4, 0 with IR	Color: 0.005 @ f/1.6, AGC ON B/W: 0.001 @ f/1.6, AGC ON	Color: 0.005 @ f/1.6, AGC ON B/W: 0.001 @ f/1.6, AGC ON
<b>HD-TVI Resolution</b>	1920x1080	1920x1080	1280x720	1280x720	1920x1080	1920x1080
<b>CVBS Resolution</b>	960H	960H	600TVL	600TVL	960H	960H
<b>Lens</b>	4.8 to 120 mm motorized vari-focal lens	4.8 to 120 mm motorized vari-focal lens	4 to 92 mm motorized vari-focal lens	4 to 92 mm motorized vari-focal lens	4.8 to 120 mm motorized vari-focal lens	4.8 to 120 mm motorized vari-focal lens
<b>Horizontal Angle of View</b>	57.6° to 2.5°	57.6° to 2.5°	49° to 2.2°	49° to 2.2°	57.6° to 2.5°	57.6° to 2.5°
<b>Optical Zoom</b>	25x	25x	23x	23x	25x	25x
<b>Pan &amp; Tilt Speed (Manual)</b>	0.1° to 250°/s 0.1° to 150°/s	0.1° to 250°/s 0.1° to 150°/s	0.1° to 250°/sec. 0.1° to 150°/sec.	0.1° to 400°/sec. 0.1° to 120°/sec.	0.1° to 100°/s 0.1° to 80°/s	0.1° to 100°/s 0.1° to 80°/s
<b>Pan &amp; Tilt Speed (Preset)</b>	250°/s 150°/s	250°/s 150°/s	300°/sec. 200°/sec.	400°/sec. 200°/sec.	100°/s 80°/s	100°/s 80°/s
<b>Day/Night/BLC/WDR</b>	TRUE/Yes/Digital	TRUE/Yes/Digital	TRUE/Yes/Digital	TRUE/Yes/Digital	TRUE/Yes/Digital	TRUE/Yes/Digital
<b>IR Range max (meters)</b>	---	---	---	150	--	---
<b>Ratings</b>	UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	UL/cUL Listed	IP66, UL/cUL Listed
<b>Operating Temperature Range</b>	-10° C to 50° C (14° F to 122° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-10° C to 50° C (14° F to 122° F)	-30° C to 65° C (-22° F to 149° F)
<b>Power Requirements (max.)</b>	24VA C Max. 18 W	24V AC Max. 24 W	24V AC, 20 W/12 W (heater on/off)	24V AC, 20 W/12 W (heater on/off)	24V AC Max. 14 W	24V AC Max. 20 W
<b>Brackets</b>	Included	WMP-L, JBPW-L, CPM-S, CPM-L, RPM	WMP-L, CMP, PMP, JBP	WMP-L, JBPW-L, CPM-S, CPM-L, RPM	Included	WMP-L, JBPW-L, CPM-S, CPM-L, RPM

# TRIBRID DIGITAL VIDEO RECORDERS

## TURBOHD™ 4.0 TRIBRID DVR - PRO SERIES




Model						
	<b>DS-9008HUI-K8</b>	<b>DS-9016HUI-K8</b>	<b>DS-9032HUI-K8</b>	<b>DS-7308HUI-K4</b>	<b>DS-7316HUI-K4</b>	<b>DS-7332HUI-K4</b>
<b>Max. Recording Resolution</b>	5 MP	5 MP	5 MP	5 MP	5 MP	5 MP
<b>Video Compression</b>	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
<b>HDMI/VGA Output</b>	4K (3840x2160)/ 1920x1080 independent 1920x1080/1920x1080 synchronous	4K (3840x2160)/ 1920x1080 independent 1920x1080/1920x1080 synchronous	4K (3840x2160)/ 1920x1080 independent 1920x1080/1920x1080 synchronous	4K (3840x2160)/ 1920x1080 independent 1920x1080/1920x1080 synchronous	4K (3840x2160)/ 1920x1080 independent 1920x1080/1920x1080 synchronous	4K (3840x2160)/ 1920x1080 independent 1920x1080/1920x1080 synchronous
<b>Spot Monitor Output (BNC)</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Analog Input</b>	8-Ch 1.0 Vp-p 75 Ω	16-Ch 1.0 Vp-p 75 Ω	32-Ch 1.0 Vp-p 75 Ω	8-Ch 1.0 Vp-p 75 Ω	16-Ch 1.0 Vp-p 75 Ω	32-Ch 1.0 Vp-p 75 Ω
<b>Video Standard</b>	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)
<b>Audio Input/Output</b>	8/2	16/2	16/2	4/2	4/2	4/1
<b>Alarm Input/Output</b>	16/4	16/4	16/8	16/4	16/4	16/4
<b>USB 2.0</b>	Front panel: 2x USB 2.0 Rear panel: 1x USB 3.0	Front panel: 2x USB 2.0 Rear panel: 1x USB 3.0	Front panel: 2x USB 2.0 Rear panel: 1x USB 3.0	Front panel: 2x USB 2.0 Rear panel: 1x USB 3.0	Front panel: 2x USB 2.0 Rear panel: 1x USB 3.0	Front panel: 2x USB 2.0 Rear panel: 1x USB 3.0
<b>RAID Support</b>	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10
<b>Internal SATA</b>	8 (up to 8 TB each)	8 (up to 8 TB each)	8 (up to 8 TB each)	4 (up to 8 TB each)	4 (up to 8 TB each)	4 (up to 8 TB each)
<b>Max Internal Storage</b>	64 TB	64 TB	64 TB	32 TB	32 TB	32 TB
<b>Support DVD-RW</b>	Yes, replaces 4x SATA	Yes, replaces 4x SATA	Yes, replaces 4x SATA	Yes, replaces 2x SATA	Yes, replaces 2x SATA	Yes, replaces 2x SATA
<b>Max. fps</b>	720p, 30 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12	720p, 30 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12	720p, 30 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12	720p, 30 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12	720p, 30 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12	720p, 30 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12
<b>Max. Analog (CVBS) Resolution</b>	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)
<b>Hikvision IP Camera Support</b>	10-ch up to 12 MP	18-ch up to 12 MP	18-ch up to 12 MP	2-ch up to 8 MP	2-ch up to 8 MP	8-ch up to 8 MP
<b>Front Panel Control</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Turbo-channel VCA (Video Content Analysis)</b>	All channels	All channels	All channels	All channels	All channels	All channels
<b>Max Incoming/Outgoing Bandwidth (Mbps)</b>	260	320	520	200	260	260
<b>Ratings</b>	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
<b>Rack Units</b>	2	2	2	1.5	1.5	1.5
<b>Power Requirements</b>	100 to 240V AC, ≤45 W without HDD	100 to 240V AC, ≤65 W without HDD	100 to 240V AC, ≤45 W without HDD	100 to 240V AC, ≤65 W without HDD	100 to 240V AC, ≤65 W without HDD	100 to 240V AC, ≤200 W without HDD

Standards: Complies with ONVIF (Profile S), CGI ISAPI. Contact factory for details.











## TRIBRID DIGITAL VIDEO RECORDERS

	TURBOHD™ 4.0 TRIBRID DVR - PRO SERIES			TURBOHD™ 4.0 TRIBRID DVR - VALUE SERIES	
<b>Model</b>					
	<b>DS-7308HQI-K4</b>	<b>DS-7316HQI-K4</b>	<b>DS-7332HQI-K4</b>	<b>DS-7204HTI-K1</b>	<b>DS-7208HTI-K2</b>
<b>Max. Recording Resolution</b>	2 MP	2 MP	2 MP	8 MP	8 MP
<b>Video Compression</b>	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
<b>HDMI/VGA Output</b>	4K (3840x2160)/1920x1080 independent 1920x1080/1920x1080 synchronous	4K (3840x2160)/1920x1080 independent 1920x1080/1920x1080 synchronous	4K (3840x2160)/1920x1080 independent 1920x1080/1920x1080 synchronous	4K (3840x2160)/1920x1080 independent 1920x1080/1920x1080 synchronous	4K (3840x2160)/1920x1080 independent 1920x1080/1920x1080 synchronous
<b>Spot Monitor Output (BNC)</b>	Yes	Yes	Yes	Yes	Yes
<b>Analog Input</b>	8-Ch 1.0 Vp-p 75 Ω	16-Ch 1.0 Vp-p 75 Ω	32-Ch 1.0 Vp-p 75 Ω	4-Ch 1.0 Vp-p, 75 Ω	8-Ch 1.0 Vp-p, 75 Ω
<b>Video Standard</b>	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)
<b>Audio Input/Output</b>	4/2	4/2	4/1	4-ch/1-ch	4-ch/1-ch
<b>Alarm Input/Output</b>	16/4	16/4	16/4	4/1	8/4
<b>USB 2.0</b>	Front panel: 2x USB 2.0 Rear panel: 1x USB 3.0	Front panel: 2x USB 2.0 Rear panel: 1x USB 3.0	Front panel: 2x USB 2.0 Rear panel: 1x USB 3.0	Front panel: 1x USB 2.0 Rear panel: 1x USB 3.0	Front panel: 1x USB 2.0 Rear panel: 1x USB 3.0
<b>RAID Support</b>	---	---	---	---	---
<b>Internal SATA</b>	4 (up to 8 TB each)	4 (up to 8 TB each)	4 (up to 8 TB each)	1 (up to 8 TB each)	2 (up to 8 TB each)
<b>Max Internal Storage</b>	32 TB	32 TB	32 TB	8 TB	16 TB
<b>Support DVD-RW</b>	Yes, replaces 2x SATA	Yes, replaces 2x SATA	Yes, replaces 2x SATA	---	---
<b>Max. fps</b>	720p, 30 1080p, 15	720p, 30 1080p, 15	720p, 30 1080p, 15	720p, 30 1080p, 30 3 MP, 18 4 MP, 30 5 MP, 20 8 MP, 12	720p, 30 1080p, 30 3 MP, 18 4 MP, 30 5 MP, 20 8 MP, 12
<b>Max. Analog (CVBS) Resolution</b>	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)
<b>Hikvision IP Camera Support</b>	2-ch up to 4 MP	2-ch up to 4 MP	8-ch up to 4 MP	2-ch up to 8 MP	2-ch up to 8 MP
<b>Front Panel Control</b>	Yes	Yes	Yes	No	No
<b>Turbo-channel VCA (Video Content Analysis)</b>	2-ch	2-ch	2-ch	All channels	All channels
<b>Max Incoming/Outgoing Bandwidth (Mbps)</b>	120	120	160	96	128
<b>Ratings</b>	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
<b>Rack Units</b>	1.5	1.5	1.5	Standalone 1U	1
<b>Power Requirements</b>	100 to 240V AC, ≤40 W without HDD	100 to 240V AC, ≤40 W without HDD	100 to 240V AC, ≤40 W without HDD	12V DC, ≤15 W without HDD	12V DC, ≤15 W without HDD

Standards: Complies with ONVIF (Profile S), CGI ISAPI. Contact factory for details.

## TRIBRID DIGITAL VIDEO RECORDERS

### TURBOHD™ 4.0 TRIBRID DVR - VALUE SERIES







Model						
	DS-7204HUI-K1/P	DS-7208HUI-K2/P	DS-7216HUI-K2/P	DS-7204HQI-K1/P	DS-7208HQI-K2/P	DS-7216HQI-K2/P
Max. Recording Resolution	5 MP	5 MP	5 MP	2 MP	2 MP	2 MP
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
HDMI/VGA Output	3480x2160/1920x1080 synchronous	3480x2160/1920x1080 synchronous	3480x2160/1920x1080 synchronous	3480x2160/1920x1080 synchronous	3480x2160/1920x1080 synchronous	3480x2160/1920x1080 synchronous
Spot Monitor Output (BNC)	Yes	Yes	Yes	Yes	Yes	Yes
Analog Input	4-Ch 1.0 Vp-p, 75 Ω	8-Ch 1.0 Vp-p, 75 Ω	16-Ch 1.0 Vp-p, 75 Ω	4-Ch 1.0 Vp-p, 75 Ω	8-Ch 1.0 Vp-p, 75 Ω	16-Ch 1.0 Vp-p, 75 Ω
Video Standard	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)
Audio Input/Output	4-ch/1-ch	4-ch/1-ch	4-ch/1-ch	1/1	1/1	1/1
Alarm Input/Output	4/1	8/4	16/4	---	---	---
USB 2.0	2	Front panel: 1x USB 2.0 Rear panel: 1x USB 3.0	Front panel: 1x USB 2.0 Rear panel: 1x USB 3.0	2	2	Front panel: 1x USB 2.0 Rear panel: 1x USB 3.0
RAID Support	---	---	---	---	---	---
Internal SATA	1 (up to 8 TB each)	2 (up to 8 TB each)	2 (up to 8 TB each)	1 (up to 8 TB each)	2 (up to 8 TB each)	2 (up to 8 TB each)
Max Internal Storage	8 TB	16 TB	16 TB	8 TB	16 TB	16 TB
Support DVD-RW	---	---	---	---	---	---
Max. fps	720p, 30 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12	720p, 30 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12	720p, 30 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12	720p, 30 1080p, 15	720p, 30 1080p, 15	720p, 30 1080p, 15
Max. Analog (CVBS) Resolution	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)
Hikvision IP Camera Support	2-ch up to 6 MP	2-ch up to 6 MP	2-ch up to 6 MP	1-ch up to 4 MP	2-ch up to 4 MP	2-ch up to 4 MP
Front Panel Control	No	No	No	No	No	No
Turbo-channel VCA (Video Content Analysis)	All channels	All channels	All channels	2-ch	2-ch	2-ch
Max Incoming/Outgoing Bandwidth (Mbps)	96	128	128	72	96	128
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Rack Units	Standalone 1U	1	1	Standalone 1U	1	1
Power Requirements	48V DC, ≤40 W without HDD	48V DC, ≤60 W without HDD	48V DC, ≤120 W without HDD	48V DC, ≤40 W without HDD	48V DC, ≤60 W without HDD	48V DC, ≤120 W without HDD

Standards: Complies with ONVIF (Profile S), CGI ISAPI. Contact factory for details.



## TRIBRID DIGITAL VIDEO RECORDERS

### TURBOHD™ 4.0 TRIBRID DVR - VALUE SERIES

Model						
	DS-7204HUI-K1	DS-7208HUI-K2	DS-7216HUI-K2	DS-7204HQI-K1	DS-7208HQI-K2	DS-7216HQI-K2
Max. Recording Resolution	5 MP	5 MP	5 MP	2 MP	2 MP	2 MP
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
HDMI/VGA Output	3480x2160/1920x1080 synchronous	3480x2160/1920x1080 synchronous	3480x2160/1920x1080 synchronous	3480x2160/1920x1080 synchronous	3480x2160/1920x1080 synchronous	3480x2160/1920x1080 synchronous
Spot Monitor Output (BNC)	Yes	Yes	Yes	Yes	Yes	Yes
Analog Input	4-Ch 1.0 Vp-p, 75 Ω	8-Ch 1.0 Vp-p, 75 Ω	16-Ch 1.0 Vp-p, 75 Ω	4-Ch 1.0 Vp-p, 75 Ω	8-Ch 1.0 Vp-p, 75 Ω	16-Ch 1.0 Vp-p, 75 Ω
Video Standard	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)
Audio Input/Output	4-ch/1-ch	4-ch/1-ch	4-ch/1-ch	1/1	1/1	1/1
Alarm Input/Output	4/1	8/4	16/4	---	---	---
USB 2.0	2	Front panel: 1x USB 2.0 Rear panel: 1x USB 3.0	Front panel: 1x USB 2.0 Rear panel: 1x USB 3.0	2	2	Front panel: 1x USB 2.0 Rear panel: 1x USB 3.0
RAID Support	---	---	---	---	---	---
Internal SATA	1 (up to 8 TB each)	2 (up to 8 TB each)	2 (up to 8 TB each)	1 (up to 8 TB each)	2 (up to 8 TB each)	2 (up to 8 TB each)
Max Internal Storage	8 TB	16 TB	16 TB	8 TB	16 TB	16 TB
Support DVD-RW	---	---	---	---	---	---
Max. fps	720p, 30 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12	720p, 30 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12	720p, 30 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12	720p, 30 1080p, 15	720p, 30 1080p, 15	720p, 30 1080p, 15
Max. Analog (CVBS) Resolution	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)
Hikvision IP Camera Support	2-ch up to 6 MP	2-ch up to 6 MP	2-ch up to 6 MP	1-ch up to 4 MP	2-ch up to 4 MP	2-ch up to 4 MP
Front Panel Control	No	No	No	No	No	No
Turbo-channel VCA (Video Content Analysis)	All channels	All channels	All channels	2-ch	2-ch	2-ch
Max Incoming/Outgoing Bandwidth (Mbps)	96	128	128	72	96	128
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Rack Units	Standalone 1U	1	1	Standalone 1U	1	1
Power Requirements	12V DC, ≤10 W without HDD	12V DC, ≤20 W without HDD	12V DC, ≤25 W without HDD	12V DC, ≤6 W without HDD	12V DC, ≤7.5 W without HDD	12V DC, ≤25 W without HDD

Standards: Complies with ONVIF (Profile S), CGI ISAPI. Contact factory for details.

## TurboHD™ KITS

OUTDOOR TURRET		OUTDOOR DOME	4-CH DVR		8-CH DVR
Model			Model		
Min. Illumination (lux)	Color: 0.028 @ f/2.0, AGC on, B/W: 0 with IR	Color: 0.034 @ f/2.0, AGC on, B/W: 0 with IR	Max. Recording Resolution	2 MP	2 MP
HD-TVI Resolution	1080p	1080p	Video Compression	H.264	H.264
Lens	Fixed 2.8 mm @ f/2.0	Fixed 2.8 mm @ f/2.0	HDMI/VGA Output	1920x1080/60Hz, 1280x1024/60 Hz, 1280x720/60Hz, 1024x768/60Hz	1920x1080/60Hz, 1280x1024/60 Hz, 1280x720/60Hz, 1024x768/60Hz
Day/Night/BLC/WDR	True/Yes/120 dB	True/Yes/120 dB	Analog Input	4-Ch 1.0 Vp-p, 75 Ω	8-Ch 1.0 Vp-p, 75 Ω
IR Range (meters)	20	20	Video Standard	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)
OSD Menu	Yes, over UTC	Yes, over UTC	Two-Way Audio Input	1-ch, RCA (linear, 1K Ω)	1-ch, RCA (linear, 1K Ω)
Ratings	IP66, UL/cUL Listed	IK10, IP66, UL/cUL Listed	USB 2 MP	2x USB 2.0	2x USB 2.0
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	Internal SATA	Preloaded HDD configurations	Preloaded HDD configurations
Power Requirements (max.)	12V DC, 1 W	12V DC, 5 W	Internal Storage	1 TB	2 TB
Brackets	PC110T/CBXS	AB110/PC110/CB110/WM110	Max. fps 720p/1080p HD-TVI	12fps with included cameras	12fps with included cameras
			Hikvision IP Camera Support	1-ch 2 MP	2-ch 2 MP
			OSD Menu-Up-the-Coax	Yes	Yes
			Ratings	UL/cUL Listed	UL/cUL Listed
			Power Requirements	12V DC, ≤12 W	12V DC, ≤12 W

# TurboHD™ Kits

Hikvision introduces complete recorder and camera kits for single-site applications. The Kits contain a recorder and multiple cameras in a single box, suitable for DIY applications like a residence or a small business. These TurboHD Kits will include 4 and 8 channel recorders along with 4 and 6 cameras respectively.

## SUPER VALUE KITS

### T7104Q1TA

Includes four 1080p Outdoor IR Turrets (DS-2CE56D0T-IR) and one 4-channel DVR (DS-7104HQHI-F1/NB)



### T7108Q2TA

Includes six 1080p Outdoor IR Turrets (DS-2CE56D0T-IR) and one 8-channel DVR (DS-7108HQHI-F1/NB)



## PERFORMANCE KITS

### T7104Q1TB

Includes four 1080p Outdoor IR Domes (DS-2CE56D7T-VPIT) and one 4-channel DVR (DS-7104HQHI-F1/NB)









### T7108Q2TB

Includes six 1080p Outdoor IR Domes (DS-2CE56D7T-VPIT) and one 8-channel DVR (DS-7108HQHI-F1/NB)



## TurboHD™ ENCODERS AND DECODERS

ENCODER						
Model						
	DS-6704HUHI-K	DS-6708HUHI-K	DS-6716HUHI-K	DS-6708HQHI-SATA	DS-6716HQHI-SATA	DS-6701HWI
Frame Rate (fps)	30	30	30	30	30	30
Multi-Streaming	Yes	Yes	Yes	Yes	Yes	Yes
Video Input	4-ch, BNC (1.0 Vp-p, 75 Ω)	8-ch, BNC (1.0 Vp-p, 75 Ω)	16-ch, BNC (1.0 Vp-p, 75 Ω)	8-ch, BNC (1.0 Vp-p, 75 Ω)	16-ch, BNC (1.0 Vp-p, 75 Ω)	1-ch, BNC (1.0 Vp-p, 75 Ω)
Video Output	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.264/MPEG4 TCP/IP	H.264/MPEG4 TCP/IP	H.264/MPEG4 TCP/IP
Network Interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface	1 RJ-45 10/100/1000 Mbps Ethernet	1 RJ-45 10/100/1000 Mbps Ethernet	1 RJ-45 10/100 Mbps Ethernet (PoE)
Storage	---	---	---	2 SATA interfaces (up to 6 TB each)	2 SATA interfaces (up to 6 TB each)	---
Audio Input/Output	4/1	4/1	4/1	4/1	4/1	1/1
Voice Talk Input	1-ch	1-ch	1-ch	---	---	1-ch
Alarm Input/Output	4/1	8/4	16/4	8/4	16/4	1/1
RS-232	---	---	---	---	---	---
RS-485	Yes	Yes	Yes	Yes	Yes	Yes
Resolution In	5 MP @ 12 fps; 4 MP @ 15 fps; 3 MP @ 18 fps; 1080p/720p/WD1/4CIF/VGA/CIF @ 30 fps	5 MP @ 12 fps; 4 MP @ 15 fps; 3 MP @ 18 fps; 1080p/720p/WD1/4CIF/VGA/CIF @ 30 fps	5 MP @ 12 fps; 4 MP @ 15 fps; 3 MP @ 18 fps; 1080p/720p/WD1/4CIF/VGA/CIF @ 30 fps	HD-TVI: 8-ch 30 fps @ 1080p and 720p	HD-TVI: 16-ch 30 fps @ 1080p and 720p	WD1 (960H)/4CIF/2CIF/CIF/qCIF
Resolution Out	---	---	---	---	---	---
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Power Requirements	12V DC ≤10 W	12V DC ≤20 W	12V DC ≤25 W	12V DC ≤30 W without HDD	12V DC ≤45 W without HDD	12V DC, ≤5 W

Standards: Complies with ONVIF (Profile S), CGI ISAPI. Contact factory for details. Command Protocols: Hikvision and Pelco D/P protocols

## TurboHD™ ENCODERS AND DECODERS

ENCODER				DECODER			
Model							
	<b>DS-6704HWI</b>	<b>DS-6708HWI</b>	<b>DS-6716HWI</b>	<b>DS-6901UDI</b>	<b>DS-6904UDI</b>	<b>DS-6908UDI</b>	<b>DS-6916UDI</b>
<b>Frame Rate (fps)</b>	30	30	30	Per video input	Per video input	Per video input	Per video input
<b>Multi-Streaming</b>	Yes	Yes	Yes	1 video output	4 video outputs	8 video outputs	16 video outputs
<b>Video Input</b>	4-ch, BNC (1.0 Vp-p, 75 Ω)	8-ch, BNC (1.0 Vp-p, 75 Ω)	16-ch, BNC (1.0 Vp-p, 75 Ω)	---	DVI, VGA	DVI, VGA	DVI, VGA
<b>Video Output</b>	H.264/MPEG4 TCP/IP	H.264/MPEG4 TCP/IP	H.264/MPEG4 TCP/IP	1 HDMI, 1 VGA, 1 BNC	4 HDMI, 2 BNC	8 HDMI, 4 BNC	16 HDMI, 8 BNC
<b>Network Interface</b>	1 RJ-45 10/100 Mbps Ethernet (PoE)	1 RJ-45 10/100/1000 Mbps Ethernet	1 RJ-45 10/100/1000 Mbps Ethernet	1, 10/100/1000 Mbps self-adaptive Ethernet interface	2, 10/100/1000 Mbps self-adaptive management network interface 2, 10/100/1000 Mbps self-adaptive Ethernet interface 16, 10M/100 Mbps self-adaptive Ethernet interface	2, 10/100/1000 Mbps self-adaptive management network interface 2, 10/100/1000 Mbps self-adaptive Ethernet interface 16, 10M/100 Mbps self-adaptive Ethernet interface	2, 10/100/1000 Mbps self-adaptive management network interface 2, 10/100/1000 Mbps self-adaptive Ethernet interface 16, 10M/100 Mbps self-adaptive Ethernet interface
<b>Storage</b>	---	---	---	---	---	---	---
<b>Audio Input/Output</b>	4/1	8/1	16/1	0/1	0/4 (via DB-15 connector)	0/8 (via DB-15 connector)	0/16 (via DB-15 connector)
<b>Voice Talk Input</b>	1-ch	1-ch	1-ch	---	---	---	---
<b>Alarm Input/Output</b>	4/2	8/4	16/4	8/8	8/8	8/8	8/8
<b>RS-232</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>RS-485</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Resolution In</b>	WD1 (960H)/4CIF/2CIF/CIF/qCIF	WD1 (960H)/4CIF/2CIF/CIF/qCIF	WD1 (960H)/4CIF/2CIF/CIF/qCIF	---	---	---	---
<b>Max. Resolution Out</b>	---	---	---	12 MP @ 20 fps: 2-ch	12 MP @ 20 fps: 4-ch	12 MP @ 20 fps: 8-ch	12 MP @ 20 fps: 16-ch
<b>Ratings</b>	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	FCC Listed	FCC Listed	FCC Listed	FCC Listed
<b>Power Requirements</b>	12V DC, ≤7 W	12V DC ≤10 W	12V DC ≤22 W	12V DC ≤15 W	100 to 240V AC ≤70 W	100 to 240V AC ≤70 W	100 to 240V AC ≤108 W

Standards: Complies with ONVIF (Profile S), CGI ISAPI. Contact factory for details. Command Protocols: Hikvision and Pelco D/P protocols



# Access Control Solutions



Hikvision Access Control Solutions offer a complete lineup of devices, from control panels and battery backup, to standalone, fingerprint, video, time and attendance, and facial recognition terminals, along with a wide variety of card and fingerprint readers; and its own bundled iVMS-4200 management software. The system is also integrated into existing Hikvision video surveillance solutions, completing Hikvision's product offerings as a versatile, full-service security system.

With Hikvision's established presence in video surveillance, our access control solutions easily integrate with our NVRs and DVRs, combining entry/exit management with visual records. Latest innovation Face Recognition Terminal adds another dimension to improve throughput and accuracy.

## FEATURES











- Bundled with the iVMS-4200 management software enables management of users, permissions and rules for the system.
- Supports not only Wiegand protocol readers but also RS-485 which enables simpler wiring over longer transmission distances.
- An Access Control Kit (DS-KIT2DRACP) combines a controller, two readers, and a set of proximity cards for an easy to purchase and install system.
- Multiple authentication methods are available; card authentication, keypad passcode and fingerprint and face recognition authentication. The user has the ability to request two different types of authentication methods to ensure maximum security.
- Advanced anti-pass back and multi-door interlocking features give the user a truly exceptional security environment.

## ACCESS CONTROL








	STANDALONE TERMINAL	FINGERPRINT TERMINAL	VIDEO TERMINAL		TIME ATTENDANCE TERMINAL	FACIAL RECOGNITION TERMINAL		FACIAL RECOGNITION UNIT
Model								
	<b>DS-K1T105M</b> (without camera) <b>DS-K1T105M-C</b> (with camera)	<b>DS-K1T201MF</b> (without camera) <b>DS-K1T201MF-C</b> (with camera)	<b>DS-K1T500S</b>	<b>DS-K1T501SF</b>	<b>DS-K1T804MF</b>	<b>DS-K1T606M</b>	<b>DS-K1T606MF</b>	<b>DS-K5603-Z</b>
Card Reader	13.56 MHz Mifare	13.56 MHz Mifare	13.56 MHz Mifare		13.56 MHz Mifare	13.56 MHz Mifare		---
Card Number Capacity	100,000	100,000	50,000		3,000	50,000		50,000
Max Event Capacity	300,000	300,000	200,000		100,000	100,000		50,000
Biometrics	---	Face Detection, Fingerprint	<b>DS-K1T500S:</b> N/A <b>DS-K1T501SF:</b> Fingerprint		Fingerprint	<b>DS-K1T606M:</b> Facial Recognition <b>DS-K1T606MF:</b> Facial Recognition, Fingerprint		Facial Recognition
Photo Capacity	---	---	---		---	3,000		10,000
Fingerprint Capacity	---	9500	---		3,000	<b>DS-K1T606M:</b> N/A <b>DS-K1T606MF:</b> 5000		---
Camera	<b>DS-K1T105M:</b> NOT AVAILABLE <b>DS-K1T105M-C:</b> 2 MP, Face Detetion Only	<b>DS-K1T201MF:</b> NOT AVAILABLE <b>DS-K1T201MF-C:</b> 2 MP, Face Detetion Only	2 MP, Intercom, Recording		---	2 MP, Facial Recognition Only		2 MP, Facial Recognition Only
Support SD Card	Max.32 GB	Max.32 GB	Max. 128 GB		---	---		---
Input Interface	1x Exit Button, 1x Door Sensor, 2x Alarm	1x Exit Button, 1x Door Sensor, 2x Alarm	1x Door Magnetic Sensor, 2x Alarm Input, 1x Tamper Alarm, 1x Exit Button		1x Exit Button, 1x Door Sensor, 1x Alarm Input	1x Exit Button, 1x Door Sensor, 1x Alarm Input		1x Exit Button, 1x Door Sensor, 1x Alarm Input
Output Interface	1x Doorbell, 1x Lock Relay	1x Doorbell, 1x Lock Relay	1x Lock Relay, 1x Alarm Output (Doorbell)		1x Lock Relay, 1x Doorbell Output, 1x Alarm Output	1x Lock Relay, 1x Door Bell, 1x Alarm Output		1x Lock Relay, 1x Door Bell, 1x Alarm Output
Network Connectivity	RJ45, Wi-Fi	RJ45, Wi-Fi	RJ45, Wi-Fi		RJ45	RJ45, Wi-Fi		RJ45, Wi-Fi
Comm. Interface, Uplink	Wiegand26/34, RS-485 (Card Reader Mode)	Wiegand26/34, RS-485 (Card Reader Mode)	Wiegand26/34, RS-485 (Card Reader Mode)		Wiegand26/34, RS-485 (Card Reader Mode)	Wiegand26/34 (Card Reader Mode)		RS-485
Comm. Interface, Downlink	Wiegand26/34, RS-485	Wiegand26/34, RS-485	RS-485		Wiegand26/34, RS-485	Wiegand26/34, RS-485		---
LCD screen	320x240 LCD Display	320x240 LCD-TFT	---		320x240 LCD-TFT	5-inch LCD Touch Screen		10.1-inch LCD Touch Screen
Local Input	Keypad	Keypad	---		Keypad	Touchscreen		Touchscreen
Audio	Speaker, for voice prompt	Speaker, for voice prompt	Two-Way Audio		Speaker, for voice prompt	Speaker, for voice prompt		Speaker, for voice prompt
Ratings	UL 60950	UL 60950	UL 60950, IP65		UL 60950, IP42	UL 60950, IP65		UL 60950, IP55
Tampering/Duress Alarm	Yes	Yes	No		Yes	Yes		Yes
Working Temperature	-20° C to 65° C (-4° F to 149° F)	-20° C to 65° C (-4° F to 149° F)	-40° C to 60° C (-40° F to 140° F)		-10° C to 55° C (14° F to 131° F)	-10° C to 55° C (14° F to 131° F)		-20° C to 60° C (-4° F to 140° F)
Power Requirements (max.)	12V DC	12V DC	12V DC / 1A		12V DC	12V DC / 2A		12V DC / 3A, 25 W
Accessories	---	---	---		---	---		DS-KAB5603



## ACCESS CONTROL

NETWORK ACCESS CONTROLLER		MIFARE CARD READER				FINGERPRINT CARD READER		PROXIMITY CARD READER			
Model		Model									
	DS-K2602-G DS-K2604-G		DS-K1102M	DS-K1102MK	DS-K1104M	DS-K1104MK	DS-K1107M	DS-K1107MK	DS-K1201MF	DS-K182HP	DS-K170HPK
Uplink Communication Interface	TCP/IP Network Interface and RS-485 Interface	Card Type	13.56 MHz Mifare		13.56 MHz Mifare		13.56 MHz Mifare		13.56 MHz Mifare	125 KHz Prox	125 KHz Prox
Downlink Communication Interface	RS-485 and Wiegand (w26/w34)	Comm. Interface	Wiegand26/34, RS-485		Wiegand26/34, RS-485		Wiegand26/34, RS-485		RS-485	Wiegand 26	Wiegand 26
Storage Max Cards Number	100,000 (200,000 expandable)	Biometrics	---		---		---		Fingerprint	---	---
Storage Max Events Number	300,000 (600,000 expandable)	Fingerprint Capacity	---		---		---		5000	---	---
Accessible Card Reader	4/8 Card Readers (RS485 Interface) 4/4 Card Readers (Wiegand Interface)	RS-485 ID Settings	DIP Switch		DIP Switch		DIP Switch		DIP Switch	---	---
Input Interface	4/4 Alarm Input 2/4 Door Sensor 2/4 Exit Button 4/8 Case Input 1/1 Tamper Alarm	Keypad	DS-K1102M: N/A DS-K1102MK: Yes		DS-K1104M: N/A DS-K1104MK: Yes		DS-K1107M: N/A DS-K1107MK: Yes		---	---	Yes
Output Interface	2/4 Lock Relay 4/4 Alarm Relay	Working Temperature	-20° C to 65° C (-4° F to 149° F)		-20° C to 65° C (-4° F to 149° F)		-20° C to 65° C (-4° F to 149° F)		-40° C to 70° C (-40° F to 158° F)	-40° C to 65° C (-40° F to 149° F)	-40° C to 65° C (-40° F to 149° F)
Built-In Power Supply	110-220V AC, 8.5A Max	Protection Level	UL 60960, IP64		UL 60960, IP65, IK10		UL 60950, IP65		UL 60960, IP65	UL 294 ETL Listed, IP67	UL 294 ETL Listed, IP67
Panel Power Input Voltage	12V DC	Installation	Single Gang Box		Single Gang Box		Mullion		Single Gang Box	Mullion	Mullion
Lock Output	12V DC, 1A Max Each Lock	Power Supply	12V DC		12V DC		12V DC		12V DC ±10%	+5 – 16V DC	+5 – 16V DC
Working Environment	Indoor										
Certifications	CE, FCC, UL 294 ETL Listed										


## ACCESS CONTROL

ACCESS CONTROL					SWING BARRIER	
MIFARE CARD (25-PACK)		MIFARE KEY FOB (25-PACK)	PROXIMITY CARD (25-PACK)	PROXIMITY KEY FOB (25-PACK)		
Model					Model	
	IC S50	DS-K7M102-M	DS-K7M151-P	DS-K7M153-P		DS-K3B601A-L DS-K3B601A-M DS-K3B601A-R
Sensing Frequency	13.56 MHz	13.56 MHz	125 kHz	125 kHz	Communication Interface	TCP/IP, I/O, RS-232, RS-485
Card Format	Mifare	Mifare	Prox	Prox	IR Light Detectors	12 pairs
Temperature	-20° C to 75° C (-4° F to 167° F)	-10° C to 50° C (14° F to 122° F)	-37° C to 50° C (-35° F to 122° F)	-37° C to 50° C (-35° F to 122° F)	Throughput	30 to 60 persons per minute
Dimension	85.5 x 54 x 0.8 mm	26 x 50 x 4 mm	56 x 86 x 1.5 mm	30 x 38 x 3.8 mm	MCBF	DS-K3B601A: >5,000,000 times DS-K3B601: >3,000,000 times
CARD ENROLLMENT		FINGERPRINT ENROLLMENT	SMART SECURE UNIT			
Model			Model		Lane Width	550 mm (21.65"), 650 mm (25.59"), 750 mm (29.53"), 900 mm (35.43"), 1100 mm (43.31")
	DS-K1F100-D8E	DS-K1F820-F		DS-K2M060	Barrier Material	Stainless steel pipe: 10 mm (0.39") Acrylic glass: Optional
Card Reading Frequency	13.56MHz and 125KHz	---	Communication Interface	RS-485	Pedestal Material	AISI304 stainless steel with the thickness of 1.5 mm (0.06")
Supported Card Formats	Mifare And EM	---	Input / Output Interface	1x Exit Button, 1x Lock, 1x Door Magnetic, 1x Alarm Out, 1x Wiegand	Dimension (LxWxH)	1500 x 200 x 990 mm (59.06 x 7.87 x 38.98")
Interface	USB 2.0	USB 2.0	Tampering Alarm	Supported	Weight per Pedestal	With Packaging: 110 kg
Plug-and-play	Supported	Supported	Card Reader Interface	Wiegand	Power Supply	100 to 240V AC; 50 to 60 Hz
Encryption	Supported	Supported	Power Supply	12V DC	Working Temperature	-25° C to 70° C (-13° F to 158° F)
Working Temperature	-20° C to 65° C (4° F to 149° F)	-30° C to 70° C (-22° F to 158° F)	Working Temperature	-30° C to 55° C (-22° F to 131° F)	Working Humidity	10% to 95% (No Condensing)
Working Current	200mA	200mA	Working Humidity	10% to 90%	Installation	Indoor/Outdoor
System	Support Windows, WinXP, Win7 and Win8	Support Windows, WinXP, Win7 and Win10	Installing Method	Wall Mount		
Certifications	UL 60950	UL 60950	Supported Models	DS-KV8102-IM, DS-KV8202-IM, DS-KV8402-IM, DS-KD3002-VM, DS-K1T105M/M-C, DS-K1T201MF/MF-C, DS-K1T500S, DS-K1T501SF, DS-K1T606M/MF		
			Certifications	FCC, CE, UL 60950		



## ACCESS CONTROL

EXIT BUTTON		
Model		
	DS-K7P02	DS-K7P04
Dimension(LxWxH)	86 x 86 x 25.7 mm (3.39 x 3.39 x 1.01")	90 x 35 x 37.7 mm (3.54 x 1.38 x 1.48")
Input Voltage	12V DC	12V DC
Working Current	20mA (standby), 50mA (working current)	20mA (standby), 50mA (working current)
Current Rating	1A @ 30V DC, 0.5A @ 125V AC	1A @ 30V DC, 0.5A @ 125V AC
Output Contact	No/NC/COM contact	No/NC/COM contact
Panel	Aluminum panel	Aluminum panel
Suitable Doors	All kinds of narrow doorframes	All kinds of narrow doorframes
Working Temperature	-20° C to 50° C (-4° F to 122° F)	-20° C to 50° C (-4° F to 122° F)
Working Humidity	0 to 95%	0 to 95%
Maximum Inductive Distance	---	40 to 100 mm (1.57 to 3.94") (adjustable)
LED Indicator Status	White/Green/Red LED, Indicates power-off/Active/Standby	White/Green/Red LED, Indicates power-off/Active/Standby
Product Weight	0.15 kg (0.33 lb)	0.12 kg (0.26 lb)

LOCK					SPECIAL MOUNT	
Model						
	DS-K4H250D	DS-K4H250S	DS-K4H250-LZ	DS-K4H250-U		
Dimension(LxWxH)	480 x 49 x 25.5 mm (18.9 x 1.93 x 1.00")	240 x 49 x 25.5 mm (9.45 x 1.93 x 1.00")	L-Bracket 250 x 47 x 28.5 mm (9.84 x 1.85 x 1.12"); Z-bracket 180 x 50 x 50 mm (7.09 x 1.97 x 1.97")	180 x 40 x 28 mm (7.09 x 1.57 x 1.10")		
Maximum Thrust	300 kg x 2 Linear Thrust	300 kg Linear Thrust	300 kg	300 kg		
Input Voltage	12V DC / 24V DC	12V DC / 24V DC	---	---		
Working Current	12V/500mA x2 24V/250mA x2	12V/500mA 24V/250mA	---	---		
Signal Output	Dry Contact Signal Output, Support Maximum Power Rate of 3A, No Output While Locking and NC Output While Unlocking	Dry Contact Signal Output, Support Maximum Power Rate of 3A, No Output While Locking and NC Output While Unlocking	---	---		
LED Indicator	Red (Door is Unlocked) Green (Door is Locked)	Red (Door is Unlocked) Green (Door is Locked)	---	---		
Suitable Door	Wooden Door, Glass Door, Metal Door, Fireproof Door	Wooden Door, Glass Door, Metal Door, Fireproof Door	In-swing doors	Frameless glass door		
Working Temperature	-10° C to 55° C (14° F to 131° F)	-10° C to 55° C (14° F to 131° F)	---	---		
Working Humidity	0 to 95%	0 to 95%	---	---		
Weight	4.2 kg (9.3 lb)	2.1 kg (4.63 lb)	0.75 kg (1.58 lb)	0.32 kg (0.70 lb)		

# IP Video Intercom Solutions



Hikvision's new IP Video Intercom line is a simple yet complete solution for customers in need of two-way audio and entranceway video verification. A full system consists of a video door station such as the DS-KV8102-IM, and an indoor station such as the DS-KH8301-WT, each powered by the KAD606-P power and data distributor using Ethernet cables. The user conveniently answers the door at the indoor station, and can unlock the door with a simple push of a virtual button on their touchscreen. The system is also fully integrated with the Hik-Connect app to provide the user with full access to their door virtually anywhere, anytime. Combining convenience and versatility, the Hikvision IP Video Intercom system propels a company's interactive video security one step further.

## FEATURES



- Fully integrated with the Hik-Connect cloud platform and phone app, an indoor station can ring its owner's phone when a visitor is at the door, then let the owner decide to unlock the door with simple taps on their phone.
- Multiple door stations can be programmed to be answered by multiple indoor stations.
- An Intercom Two-Wire Bundle (DS-KIS701) combines an outdoor Door Station, an indoor Door Station and Power/Data Distributor.
- IR LED located near the camera lens ensures the camera can capture the visitor's image even in poorly-lit areas.
- All door and indoor stations are managed via TCP/IP using category cables, making both physical connections and software management easy to perform.



## IP VIDEO INTERCOM

	VILLA DOOR STATION			VANDAL RESISTANT DOOR STATION	TWO-WIRE DOOR STATION	APARTMENT DOOR STATION	MODULAR DOOR STATION
Model							
	DS-KV8102-IM	DS-KV8202-IM	DS-KV8402-IM	DS-KB8112-IM	DS-KV8103-IME2	DS-KD3002-VM	DS-KD8003-IME1
Camera	1.3			1.3	2	1.3	2
Angle of View	---			80° (H), 44° (V)	155° Fisheye	---	180° (H), 96° (V)
Supplemental Light	IR LED 15 ft			IR LED 15 ft	IR 10 ft	Visible Light	IR 10 ft
Video Compression	H.264			H.264	H.264	H.264	H.264
Internal Card Reader	---			---	---	Built-in Mifare Reader	---
Ethernet	10/100 Mbps Self-Adaptive Ethernet			10/100 Mbps Self-Adaptive Ethernet	10/100 Mbps Self-Adaptive Ethernet	10/100/1000 Mbps Self-Adaptive Ethernet	10/100 Mbps Self-Adaptive Ethernet
Network Protocol	TCP/IP, RTSP			RTSP, RTP, ISAPI, NTP, HTTP, HTTPS, DHCP, FTP, SMTP	TCP/IP, RTSP	TCP/IP, RTSP	TCP/IP, RTSP
Alarm Input	Door Contact Alarm, Tampering Alarm			Door Contact Alarm	Door Contact Alarm, Tampering Alarm	Door Contact Alarm, Tampering Alarm	Tampering Alarm
RS-485	1 RS-485 Half-Duplex Port			---	1 RS-485 Half-Duplex Port	1 RS-485 Half-Duplex Port	1 (Connection between modules)
I/O input	4			1	2	4	4
Lock Relay	1			1	1	1	2
Power Supply	24V DC PoE (DS-KAD606-P), 12V DC			IEEE802.3af PoE, 12V DC	24V DC Power Over Two-Wire (DS-KAD709)	12V DC	12V DC, Standard PoE
Power Consumption	≤12 W			≤12 W	≤12 W	≤15 W	≤10 W
Working Temperature	-40° C to 60° C (-40° F to 140° F)			-30° C to 50° C (-22° F to 122° F)	-30° C to 60° C (-22° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Ratings	UL 60950, IP65			UL60950, IK9, IP66	UL 60950, IP65	UL 60950, IP65	UL60950, IP65

## IP VIDEO INTERCOM

	INDOOR STATION	TWO-WIRE INDOOR STATION
Model		
	DS-KH8300-T DS-KH8301-WT	DS-KH8340-TCE2
Camera	DS-KH8300-T: N/A DS-KH8301-WT: 0.3 MP, for Indoor Intercom, with Mechanical Privacy Cover	---
Video Compression	H.264	H.264
Display Screen	7-Inch Color TFT LCD	7-Inch Color TFT LCD
Display Resolution	1024x600	1024x600
Local Input	Touchscreen	Touchscreen
Audio Input & Output	Two-Way Audio	Two-Way Audio
Network Connectivity	DS-KH8300-T: RJ45 DS-KH8301-WT: RJ45, Wi-Fi	Two-Wire Interface
Network Protocol	TCP/IP, RTSP	TCP/IP
Alarm Input	8-ch Alarm Input Sensor	8-ch Alarm Input Sensor
Local Storage	TF Card, Support 32 GB max.	TF Card, Support 32 GB max.
Power Supply	24V DC PoE (DS-KAD606-P), 12V DC	24V DC Power Over Two-Wire (DS-KAD709)
Working Temperature	-10° C to 55° C (14° F to 131° F)	-10° C to 55° C (14° F to 131° F)
Certification	UL 60950	UL 60950

## Two-Wire Video Intercom Bundle



### DS-KIS701

Includes one Two-Wire Door Station (DS-KV8103-IME2), one Two-Wire Indoor Station (DS-KH8340-TCE2), and one Two-Wire Power & Data Distributor (DS-KAD709)

## Access Control Kit








### DS-KIT2DRACP



Includes one Network Access Controller (DS-K2602-G), two Proximity Card Readers (DS-K182HP), and one Proximity Card Pack (DS-K7M151-P)





## IP VIDEO INTERCOM

POWER & DATA DISTRIBUTOR			TWO-WIRE POWER & DATA DISTRIBUTOR			SURFACE WALL MOUNT			DESKTOP MOUNT		
Model			Model								
	DS-KAD606-P	DS-KAD709		DS-KAB02	DS-KAB13-D	DS-KAB21-H					
Supported Models	DS-KV8102-IM, DS-KV8202-IM, DS-KV8402-IM, DS-KH8300-T, DS-KH8301-WT	DS-KH8340-TCE2, DS-KV8103-IME2	Supported Models	DS-KV8102-IM, DS-KV8202-IM, DS-KV8402-IM	DS-KD3002-IM	DS-KH8300-T, DS-KH8301-WT					
Network Connectivity	2x RJ45 (without Power) 6x RJ45 (with 24V DC Power)	1x RJ45 9x Two-Wire Terminals (with 24V DC Power)	Housing Material	Stainless Steel	Stainless Steel	Stainless Steel					
Power Input	24V DC	24V DC									
Power Consumption	≤8 W	60 W	Working Temperature	-30° C to 70° C (-22° F to 158° F)	-40° C to 70° C (-40° F to 158° F)	-10° C to 55° C (14° F to 131° F)					
Working Temperature	-10° C to 55° C (14° F to 131° F)	-10° C to 55° C (14° F to 131° F)									
Certification	UL 60950	UL 60950	Dimension(L x W x H)	193 x 106 x 80 mm (7.60 x 4.17 x 3.15")	360 x 128 x 86 mm (11.17 x 5.04 x 3.39")	131 x 102 x 100 mm (5.16 x 4.01 x 3.93")					

## MOBILE SURVEILLANCE

BODY WORN CAMERA		
Model		
	<b>DS-MH2311</b>	<b>DS-MH2211</b>
Record Resolution	1080p / 30fps, 720p / 30fps, 720x576 / 30fps	1080p / 30fps, 720p / 30fps, 720x576 / 30fps
Display Screen	2.4" TFT LCD	2" TFT LCD
Encoding Format	H.265/H.264	H.265/H.264
Satellite Positioning	GPS	GPS
Wi-Fi	Yes, 802.11b/g/n	Yes, 802.11b/g/n
Picture Resolution	30 MP	30 MP
FOV	129°	110°
Geo-tagging capability	Yes	Yes
Low light functionality (night recording)	IR light	IR light
IP level	IP67	IP65
Battery Runtime	7.5 hours @ 1080p recording 8 hours @ 720p recording	4 hours @ 1080p recording 4.5 hours @ 720p recording
Battery-charge time from empty to full-charge	3.5 hours	2 hours
Internal device storage	32 GB or 64 GB	32 GB or 64 GB
TF Card Slot	No	No
Pre-record/post-record	60s	60s
G-sensor	Yes	Yes
Ruggedized Design	Yes	Yes
Working Temperature	-20 to +55 °C (-4 to 131 °F)	-20 to +55 °C (-4 to 131 °F)
Certifications	CE/FCC	CE/FCC
Weight	190g	127g







BWC DOCKING STATION W/ STORAGE	
Model	
	<b>DS-MH4172I/2T/X2</b> <b>DS-MH4172I/2T/X3</b>
Supported Body Camera Model	<b>X2:</b> DS-MH2211 <b>X3:</b> DS-MH2311
Dimensions	400 x 300 x 110 mm (15.7 x 11.8 x 4.3 inch)
Quantity of Connected Body Cameras	8
System indicator	1x power indicator, 1x HDD indicator, 1x network connection indicator, 1x network transmission indicator, 8x status indicator
Button	1x power switch, 1x reset button
CPU	Quad Core CPU
Memory	4 GB
HDD	4 x 3.5 inch HDD
Operation system	Microsoft® Windows 10, 64-bit
Power consumption	200 W
USB interface	2x USB 3.0 interface, 2x USB 2.0 interface
HDMI interface	2
Audio input/output	1 input/1 output
Certifications	CE/FCC
VGA interface	1

DASHBOARD CAMERA	
Model	
	<b>AE-DN2016-F3</b>
Certifications	CE/FCC
Camera Resolution	1080p (1920x1080)
View Angle	135° (diagonal), 115° (horizontal)
Recording Resolution	1080p @ 25fps, 720p @ 25fps (1080P default)
Video Compression	H.264
Picture Format	JPEG
OSD Overlay	Date, time
Storage	1 TF card, up to 128 GB
Communication Module	Wi-Fi
Sensor	Built-in G-Sensor
USB port	1x USB 2.0
Audio	Built-in Mic
Working Temperature/ Humidity	-10°C to 60°C (14°F to 140°F)
Power Supply/ Consumption	5V DC 2A, 2 W
Certifications	CE/FCC
Dimension	44.5 x 44.5 x 52 mm (1.75 x 1.75 x 2.47")
Weight	Approx. 120g (0.265lb)


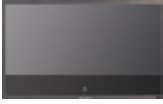








## ACCESSORIES

TURBOHD™ LOOPING PANEL		MONITOR					
Model		Model					
	<b>DS-1TLP16I</b>		<b>DS-D5019QE-B</b>	<b>DS-D5022QE-B</b>	<b>DS-D5022FC</b>	<b>DS-D5024FC</b>	<b>DS-D5028UC</b>
Video in	16-ch, BNC connector	Bezel Material	Plastic	Plastic	Plastic	Plastic	Plastic
Signal format	CVBS, HDTV and AHD	Working Time	24/7	24/7	24/7	24/7	24/7
Video out	16-ch, BNC connector	Display Type	LED-Backlit TFT LCD	LED-Backlit	LED-Backlit TFT LCD	LED-Backlit	LED Backlight
Loop out	16-ch, BNC connector	Screen Size	18.5"	21.5"	21.5"	23.6"	28"
Signal format	CVBS, HDTV and AHD	Max Resolution	1366x768	1920x1080	1920x1080	1920x1080	3840x2160
Transmission distance	CVBS, 720p: Up to 500 m (input and output cable combined) 1080p: Up to 300 m (input and output cable combined)	Brightness	200cd/m <sup>2</sup> (Typical)	250cd/m <sup>2</sup> (Typical)	250cd/m <sup>2</sup> (Typical)	250cd/m <sup>2</sup> (Typical)	300cd/m <sup>2</sup>
Power supply	1x 12V DC (2-pin connector)/1x USB	Contrast	600:1	1000:1	1000:1	1000:1 (Typical) DCR 30,000,000:1	1000:1
Power consumption	≤3.6 W	Response Time	5 ms	5 ms	5 ms	5 ms	5.5 ms
Operating temperature	-10° C to 55° C (14° F to 131° F)	Color	16.7 M	16.7 M	16.7 M	16.7 M	1.07G colors (8-bit+FRC)
Operating humidity	10% to 90%	Viewing Angle	Horizontal 90° Vertical 65°	Horizontal 170° Vertical 160°	Horizontal 170° Vertical 160°	Horizontal 170° Vertical 160°	Horizontal 170° Vertical 160°
Dimensions (WxDxH)	315 x 100 x 52 mm (12.4 x 3.9 x 2.0")	Inputs	1x HDMI, 1x VGA	1x HDMI, 1x VGA	1x HDMI, 1x VGA, 1x BNC, 1x USB	1x HDMI, 1x VGA, 1x BNC	1x HDMI, 1x VGA, 1x DP
Weight	≤1.5 kg (3.3 lbs)	Outputs	---	---	BNC	BNC	---
		Audio input/Output	---	---	1x 3.5 mm mini-jack	1x 3.5 mm mini-jack, 1x RCA type	1
		Speaker	---	---	2 W x 2	2 W x 2	2 x 3 W
		VESA Mount	75 mm x 75 mm	100 mm x 100 mm	100 mm x 100 mm	100 mm x 100 mm	100 mm x 100 mm
		Dimensions (WxHxD)	445.58 x 274.99 x 44.6 mm (17.5 x 10.8 x 1.7")	511 x 313 x 170 mm (20.1 x 12.3 x 6.7")	511.4 x 313 x 45.4 mm (20.1 x 12.3 x 1.8")	561 x 339 x 218.5 mm (22.1 x 13.3 x 8.6")	659.7 x 390.9 x 49.3 mm (25.9 x 15.3 x 1.9")
		Weight	2.8 kg (6.2 lbs)	3.3 kg (7.3 lbs)	4.6 kg (9 lbs)	5.1 kg (11.2 lbs)	5.6 kg (12.3 lbs)

## ACCESSORIES








	MONITOR	PVM MONITOR	MONITOR			
Model						
	DS-D5032FL	DS-D5032FL-C	DS-D5032FC-A	DS-D5040FC	DS-D5043FL	DS-D5055UL-B
Bezel Material	Metal	Metal	Plastic	Plastic	Metal	Metal
Working Time	24/7	24/7	24/7	24/7	24/7	24/7
Display Type	LED-Backlit TFT LCD	LED Backlight	TFT-LED Backlight	TFT-LED Backlight	LED-Backlit TFT LCD	LCD Backlight
Screen Size	32"	31.5"	31.5"	39.5"	43"	55"
Max Resolution	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080	3840x2160
Brightness	400cd/m <sup>2</sup> (Typical)	400cd/m <sup>2</sup>	300cd/m <sup>2</sup>	360cd/m <sup>2</sup>	400 cd/m <sup>2</sup> (Typical)	500cd/m <sup>2</sup>
Contrast	3000:1	3000:1	1000:1	5000:1	1200 : 1	1100:1
Response Time	6.5 ms	6.5 ms	8 ms	9.5 ms	8 ms	8 ms
Color	16.7 M	16.7 M	16.7 M	16.7 M	16.7M	16.7 M
Viewing Angle	Horizontal 178° Vertical 178°	Horizontal 178°, Vertical 178°	Horizontal 178°, Vertical 178°	Horizontal 178°, Vertical 178°	Horizontal 178°, Vertical 178°	Horizontal 178°, Vertical 178°
Inputs	1x HDMI, VGA, DVI, BNC, USB	1x HDMI, 1x VGA, 1x LAN, 1x USB 2.0	1x HDMI, 1x VGA, 1x BNC, 1x DVI, 1x USB	1x HDMI, 1x VGA, 1x BNC, 1x DVI, 1x USB	1x HDMI, 1x VGA, 1x BNC, 1x DVI, 1x USB, 1x RS232	2x HDMI, 1x VGA, 1x BNC, 1x DVI, 1x CVBS
Outputs	---	N/A	1x BNC	1x BNC	---	1x CVBS
Audio input/Output	1x 3.5 mm mini-jack	1x 3.5 mm mini-jack	1x 3.5 mm mini-jack	1x 3.5 mm mini-jack	1	1
Speaker	3 W x 2	---	2 W x 2,6Ω	2 W x 2,6Ω	8 Ω 3 W x 2	2, 8Ω, 5 W
VESA Mount	200 mm x 200 mm	200 mm x 200 mm	100 mm x 100 mm	100 mm x 100 mm	100 mm x 100 mm	100 mm x 100 mm
Dimensions (WxHxD)	737.4 x 452.5 x 70.65 mm (29 x 17.8 x 2.78")	737.4 x 508 x 74.9 mm (29 x 20 x 2.9")	728.8 x 526 x 167.2 mm (28.7 x 20.7 x 6.6")	908.4 x 516.9 x 47.8 mm (35.7 x 20.3 x 1.9")	996.4 x 590.8 x 48.6 mm (37.88 x 22.46 x 2.82")	1262 mm x 724 mm x 55 mm
Weight	19 kg (42 lbs)	18 kg (39.7 lbs)	5.75 kg (12.7 lbs)	8.5 kg (18.7 lbs)	20 kg (44 lbs)	≤35 kg (77 lbs)



## ACCESSORIES




	POE UNMANAGED ETHERNET SWITCH	POE WEB-MANAGED ETHERNET SWITCH	UNMANAGED ETHERNET POE SWITCH	FULL MANAGED ETHERNET POE SWITCH
<b>Model</b>	 <i>*Model sizes vary</i>	 <i>*Model sizes vary</i>	 <i>*Model sizes vary</i>	 <i>*Model sizes vary</i>
	<b>DS-3E0105P-E</b> <b>DS-3E0109P-E</b> <b>DS-3E0318P-E</b> <b>DS-3E0326P-E</b>	<b>DS-3E1310P-E</b> <b>DS-3E1318P-E</b> <b>DS-3E1326P-E</b>	<b>DS-3E0109P-E/M</b> <b>DS-3E0318P-E/M</b> <b>DS-3E0326P-E/M</b>	<b>DS-3E2310P</b> <b>DS-3E2318P</b> <b>DS-3E2326P</b>
<b>Type</b>	Unmanaged	Web-Managed	Unmanaged	Full managed
<b>Ports</b>	4/8/16/24 Fast Ethernet Ports 1 Fast/1 Fast/2 Gig/2 Gig uplink	8/16/24 Fast Ethernet Ports, 2 Gig/2 Gig/2 Gig uplink	8/16/24 Fast Ethernet Ports, -/1/1 Gigabit Port, -/1/1 Gigabit SFP	8/16/24 100M Base-T ports+2 gigabit combo ports
<b>Forwarding</b>	0.74/1.34/5.36/6.55 Mbps	1.34/5.36/6.55 Mbps	1.34/5.36/6.55Mbps	5.6M/8.4/9.6Mpps
<b>Backplane</b>	1/1.8/7.2/8.8 Gbps	5.4/7.2/8.8 Gbps	1.8/7.2/8.8 Gbps	10/21.2/22.8 Gbps
<b>PoE Budget</b>	58/123/230/370 W	123/230/370 W	58 /135/225 W	125/300/380 W
<b>Standards</b>	Unmanaged, Plug-and-play installation, IEEE802.3x full duplex, Optional 250m extended transmission mode	Web-managed (Web-managed: VLAN, Port Mirroring, SNMP), Plug-and-play installation, IEEE802.3x full duplex, Optional 250m extended transmission mode	Unmanaged, Plug-and-play installation, Optional 250m extended transmission mode	Full Managed, IEEE 802.1D STP, IEEE 802.1w RSTP, IEEE 802.1s MSTP, Port-based VLAN, 802.1Q tag VLAN, GVRP dynamic VLAN configuration. IGMP snooping, Static/LACP link aggregation EAPS and ERPS IEEE 802.1x port-based user authentication Port Security
<b>Power Requirements (max.)</b>	51V DC, 1.25A (≤63 W), 51V DC, 2.5A (≤127 W), AC: 100-240V 50/60Hz (≤250 W), AC: 100-240V 50/60Hz (≤440 W)	AC: 100-240V 50/60Hz (≤150 W), AC: 100-240V 50/60Hz (≤250 W), AC: 100-240V 50/60Hz (≤440W)	51V DC, 1.25A (≤63 W) AC: 100-240V 50/60Hz (≤150 W), AC: 100-240V 50/60Hz (≤250W)	AC: 100V-240V, 50Hz±10% (<15 W), AC: 100V-240V, 50Hz±10% (<15 W), AC: 100V-240V, 50Hz±10% (<15 W)

## ACCESSORIES








VIDEO WALL MONITOR							
Model							
	DS-D2046NL-C	DS-D2046NH-C	DS-D2046NH-E	DS-D2055NL-B/G	DS-D2055NH-B/G	DS-D2055NL-E/G	DS-D2055NH-E/G
Diagonal Size (inch)	46"	46"	46"	55"	55"	55"	55"
Backlight	LED Backlight (Direct type)	LED Backlight (Direct type)	LED Backlight (Direct type)	LED Backlight (Direct type)	LED Backlight (Direct type)	LED Backlight (Direct type)	LED Backlight (Direct type)
Resolution	1080p	1080p	1080p	1080p	1080p	1080p	1080p
Color	16.7 M	16.7 M	16.7 M	16.7 M	16.7 M	10Bit (D), 1.06 Billion Colors	10Bit (D), 1.06 Billion Colors
Visual Angle	Horizontal: 178° Vertical: 178°	Horizontal: 178° Vertical: 178°	Horizontal: 178° Vertical: 178°	Horizontal: 178° Vertical: 178°	Horizontal: 178° Vertical: 178°	Horizontal: 178° Vertical: 178°	Horizontal: 178° Vertical: 178°
Response Time	8ms (G to G)	8ms (G to G)	6ms (G to G)	12ms (G to G)	12ms (G to G)	8ms (G to G)	8ms (G to G)
Contrast	4500:1	4500:1	4500:1	4000:1	4000:1	4000:1	4000:1
Brightness	500cd/m <sup>2</sup>	800cd/m <sup>2</sup>	700cd/m <sup>2</sup>	500cd/m <sup>2</sup>	700cd/m <sup>2</sup>	500cd/m <sup>2</sup>	≥700cd/m <sup>2</sup>
Input Interface	1x VGA, 1x DVI, 1x BNC, 1x YPbPr, 1x HDMI	1x VGA, 1x DVI, 1x BNC, 1x YPbPr, 1x HDMI	1x VGA, 1x DVI, 1x BNC, 1x YPbPr, 1x HDMI, 1x USB	1x VGA, 1x DVI, 1x BNC, 1x YPbPr, 1x HDMI	1x VGA, 1x DVI, 1x BNC, 1x YPbPr, 1x HDMI	1x VGA, 1x DVI, 1x BNC, 1x YPbPr, 1x HDMI, 1x USB	1x VGA, 1x DVI, 1x BNC, 1x YPbPr, 1x HDMI
Output Interface	1x VGA, 1x DVI, 2x BNC	1x VGA, 1x DVI, 2x BNC	1x VGA, 1x DVI, 2x BNC	1x VGA, 1x DVI, 2x BNC	1x VGA, 1x DVI, 2x BNC	1x VGA, 1x DVI, 2x BNC	1x VGA, 1x DVI, 2x BNC
Control Interface	In: RS-232, Out: RS-232 x2	In: RS-232, Out: RS-232 x2 (Loop)	In: RS-232, Out: RS-232 x2 (Loop)	In: RS-232, Out: RS-232 x2	In: RJ45, Out: RS-232	In: RJ45, Out: RS-232 x2	In: RJ45, Out: RS-232
Power Consumption	139 W	139 W	139 W	192 W	192 W	192 W	192 W
Power Requirement	90~264V AC, 50/60Hz	90~264V AC, 50/60Hz	AC 90~264V AC, 50/60Hz	90~264V AC	90~264V AC	100~240V AC, 50/60Hz	90~264V AC
Working Life	≥60,000 Hours	≥60,000 Hours	≥60,000 Hours	≥60,000 Hours	≥60,000 Hours	≥60,000 Hours	≥60,000 Hours
Dimension (WxHxD)	40.24 x 22.70 x 4.74"	40.24 x 22.70 x 4.74"	40.16 x 22.62 x 4.59"	47.78"x 26.94"x4.44"	47.78 x 26.94 x 4.38"	47.78 x 26.94 x 4.38"	47.78 x 26.94 x 4.38"
Frame Width	0.09" (Left/Upper), 0.047" (Right/Lower)	0.09" (Left/Upper), 0.047" (Right/Lower)	0.09" (Left/Upper), 0.047" (Right/Lower)	0.09" (Left/Upper), 0.047" (Right/Lower)	0.09" (Left/Upper), 0.047" (Right/Lower)	0.035" (Left/Upper), 0.035" (Right/Lower)	0.09" (Left/Upper), 0.047" (Right/Lower)
Physical Seam	3.5 mm (0.14")	3.5 mm (0.14")	1.7 mm (0.068")	3.5 mm (0.14")	3.5 mm (0.14")	1.8 mm (0.072")	1.8 mm (0.072")



## ACCESSORIES

VIDEO WALL CONTROLLER			
Model			
	DS-C10S-S09T	DS-C10S-S11T	DS-C10S-S22T
Slot No.	9 (6x Input, 3x Output)	11 (6x Input, 5x Output)	22 (12x Input, 10x Output)
Network	10 M/100 M/1000 M self-adaptive Ethernet interface USB Interface 1x USB 2.0 (Reserved)	10 M/100 M/1000 M self-adaptive Ethernet interface USB Interface 1x USB 2.0 (Reserved)	10 M/100 M/1000 M self-adaptive Ethernet interface USB Interface 1x USB 2.0 (Reserved)
USB	1x USB 2.0 (Reserved)	1x USB 2.0 (Reserved)	1x USB 2.0 (Reserved)
RS-232	2	2	2
Decoding Performance	2-ch @ 8 MP (low frame rate), 2-ch @ 6 MP, 2-ch @ 5 MP, 8-ch @ 1080p, 16-ch @ 720p, 32-ch @ D1	2-ch @ 8 MP (low frame rate), 2-ch @ 6 MP, 2-ch @ 5 MP, 8-ch @ 1080p, 16-ch @ 720p, 32-ch @ D1	2-ch @ 8 MP (low frame rate), 2-ch @ 6 MP, 2-ch @ 5 MP, 8-ch @ 1080p, 16-ch @ 720p, 32-ch @ D1
Input	4x HDMI interface	4x HDMI interface	4x HDMI interface
HDMI Output Resolution	Only No. 1 and 3 interfaces support 3840x2160 @ 30 Hz and 4096x2160 @ 30 Hz resolution	Only No. 1 and 3 interfaces support 3840x2160 @ 30 Hz and 4096x2160 @ 30 Hz resolution	Only No. 1 and 3 interfaces support 3840x2160 @ 30 Hz and 4096x2160 @ 30 Hz resolution
Output	4x DVI interface	4x DVI interface	4x DVI interface
Max DVI Output Resolution	1080p @ 60 Hz	1080p @ 60 Hz	1080p @ 60 Hz
Output	4x HDMI interface	4x HDMI interface	4x HDMI interface
Max DVI Output Resolution	1080p @ 60 Hz	1080p @ 60 Hz	1080p @ 60 Hz
Power Supply	100 to 240V AC, 50/60 Hz A built-in power supply	100 to 240V AC, 50/60 Hz A built-in power supply	100 to 240V AC, 50/60 Hz A built-in power supply
Consumption	≤250 W (full-loaded)	≤250 W (full-loaded)	≤450 W (full-loaded)
Working Temperature	0° C to 50° C (32° F to 122° F)	0° C to 50° C (32° F to 122° F)	0° C to 50° C (32° F to 122° F)
Working Humidity	10 to 90%	10 to 90%	10 to 90%
Chassis	Standard 4U chassis	Standard 4U chassis	Standard 8U chassis
Dimension (D×H×W)	352 x 177 x 442.4 mm (13.9 x 7 x 17.4")	352 x 177 x 442.4 mm (13.9 x 7 x 17.4")	352 x 177 x 442.4 mm (13.9 x 7 x 17.4")
Weight	≤20 kg (full-loaded)	≤20 kg (full-loaded)	≤35 kg (full-loaded)













## ACCESSORIES







ETHERNET OVER COAX			KEYBOARDS					
Model			Model					
	<b>DS-1H05-T</b>	<b>DS-1H05-R</b>		<b>DS-1005KI</b>	<b>DS-1006KI</b>	<b>DS-1200KI</b>	<b>DS-1600KI</b>	<b>DS-1100KI</b>
<b>Input Interface</b>	RJ-45 interface and BNC	BNC	<b>RS-485</b>	No	Yes	Yes	No	Yes
			<b>USB</b>	Yes	Yes	Yes	Yes	Yes
<b>Output Interface</b>	BNC	RJ-45 Interface and BNC	<b>Interface Port</b>	USB 2.0	RS-232, RS-422, RS-485, USB 2.0	Network, RS-232, RS-422, RS-485, USB 2.0	Network, Wifi, USB 2.0 2x	Network, RS-232, RS-485, USB 2.0
<b>Maximum Bandwidth (Mbps)</b>	36 (downstream)	11 (upstream)	<b>Control</b>	Serial	Serial	Serial/Network	Network, Wifi	Network
<b>Distance</b>	Up to 1,500 feet with RG6/U cable	Up to 1,500 feet with RG6/U cable	<b>Audio</b>	---	---	---	Yes	1-ch Line In 1-ch Audio Out
			<b>Decoding</b>	---	---	---	Yes	1-ch @ 1080p
<b>Dimensions</b>	80 x 27 x 96 mm	80 x 27 x 96 mm	<b>LCD Screen</b>	---	128 x 64 pixel	128 x 64 pixel	10.1" TFT LCD Touch Screen 1024x600 pixel	7" TFT LCD touch Screen 800x480 pixel
<b>Operating Conditions (max.)</b>	-10° C to 55° C (14° F to 131° F)	-10° C to 55° C (14° F to 131° F)	<b>Joystick</b>	3-Axis	4-Axis	4-Axis	4-Axis	4-Axis
			<b>Resolution</b>	---	---	---	---	1920x1080
<b>Power Requirements (max.)</b>	12V DC, PSU included, 5 W (does Not power camera)	12V DC, PSU included, 5 W (does Not power camera)	<b>Network</b>	---	---	10 M/100 Mbps self-adaptive Ethernet interface	10M/100M/1000M Adaptive Ethernet port	10M/100M/1000M Ethernet interface
			<b>Power Requirements (max.)</b>	5V DC via USB (≤5 W)	12V DC (≤4.5 W)	12V DC 4.5 W	12V DC, 15 W, PoE	12V DC(≤15 W)


CAT5E CABLE						
Model						
	<b>DS-1LN5EU-B(W) /CMR</b>	<b>DS-1LN5EU-B(W) /CMP</b>	<b>DS-1LN6U-B(W) /CMP</b>	<b>DS-1LN6U-B(W) /CMR</b>	<b>DS-1LC1SCA-200B</b>	<b>DS-1LC1SCA2C-200B</b>
<b>Cable Type</b>	CAT5E	CAT5E	CAT6	CAT6	Coaxial	Coaxial
<b>Fireproof Grade</b>	CMR	CMP	CMP	CMR	OFC	OFC
<b>Material/Copper Content</b>	Solid-Bare Copper/99.97%	Solid-Bare Copper/99.97%	Solid-Bare Copper/99.97%	Solid-Bare Copper/99.97%	CCA (Copper-clad Aluminum)	CCA (Copper-clad Aluminum)
<b>Insulation Material</b>	HDPE	FEP	FEP	HDPE	FPE	FPE
<b>Sheath Material</b>	PVC (complies RoHS), CMR	PVC (complies RoHS), CMP	PVC (complies RoHS), CMP	PVC (complies RoHS), CMR	PVC	PVC
<b>Color</b>	White	White	White	White	Black	Black
<b>Ambient temperature</b>	-20° C to 75° C (-4° F to 167° F)	-20° C to 75° C (-4° F to 167° F)	-20° C to 75° C (-4° F to 167° F)	-20° C to 75° C (-4° F to 167° F)	-20° C to 75° C (-4° F to 167° F)	-20° C to 75° C (-4° F to 167° F)
<b>Length</b>	1000' pull box	1000' pull box	1000' pull box	1000' pull box	200m	200m
<b>Certification</b>	UL, CMR	UL, CMP	UL, CMP	UL, CMR	ETL	ETL






## ACCESSORIES

SURVEILLANCE GRADE HARD DRIVES							ENTERPRISE HARD DRIVES					
Model												
	HK-HDD1T	HK-HDD2T	HK-HDD4T	HK-HDD6T	HK-HDD8T	HK-HDD10T	HK-HDD1T-E	HK-HDD2T-E	HK-HDD4T-E	HK-HDD6T-E	HK-HDD8T-E	HK-HDD10T-E
Capacity	1 TB	2 TB	4 TB	6 TB	8 TB	10 TB	1 TB	2 TB	4 TB	6 TB	8 TB	10 TB
Interface	SATA	SATA	SATA	SATA	SATA	SATA	SATA 6 Gb/sec.	SATA 6 Gb/sec.	SATA 6 Gb/sec.	SATA 6 Gb/sec.	SATA 6 Gb/sec.	SATA 6 Gb/sec.
Classification	Audio/Video	Audio/Video	Audio/Video	Audio/Video	Audio/Video	Audio/Video	Audio/Video	Audio/Video	Audio/Video	Audio/Video	Audio/Video	Audio/Video
Operation	24/7 continuous	24/7 continuous	24/7 continuous	24/7 continuous	24/7 continuous	24/7 continuous	24/7 continuous	24/7 continuous	24/7 continuous	24/7 continuous	24/7 continuous	24/7 continuous

HDD FOR STORAGE PRODUCTS			DVD-RW	HD-TVI MONITOR	HD-TVI CONVERTER	BALUN
Model						
	HDD-SAS4T	HDD-SAS6T	HIK-DVDRW	DS-TT-X41T	DS-1H33	DS-1H18
Description	HDD for, DS-A82024D, DS-AJ7824D		DVD-RW option for NVR and DVR	Multifunction Video Tester, test a variety of video signals, including TurboHD, HDMI, CVBS, and VGA.	Converter from HD-TVI video signal to HDMI signal	Unshielded twisted pair (UTP) Baluns



MICROSD CARD	
Model	
	HS-TF-H11/32G HS-TF-H11/64G HS-TF-H11/128G
Capacity	32 GB
NAND Flash	MLC
Form Factor	microSDHC/microSDXC
Read Speed	90/90/96 MB/s
Write Speed	46/28/44 MB/s
Operating Temperature	-25° C to 85° C (-13° F to 185° F)
Warranty (Year)	2
Product Highlight	<ul style="list-style-type: none"> <li>• Read-Write Lock</li> <li>• Life Forewarning</li> <li>• Health Monitoring (With Hikvision Camera)</li> </ul>

INTERNAL SSD	
Model	
	HS-SSD-V210/240G HS-SSD-V210/480G HS-SSD-V210/960G
Capacity	256 GB
NAND Flash	3D TLC
Form Factor	SATA III 6 Gb/s
Seq. Read (up to)	560 MB/s
Seq. Write (up to)	490/503/512 MB/s
Rnd. Read (up to)	73/83/87 K
Rnd. Write (up to)	25/22/17 K
Total Bytes Written (TBW)	200/400/800 TBW
MTBF (Hour)	1,500,000
Warranty (Year)	2
Product Highlight	<ul style="list-style-type: none"> <li>• TBW is higher, more durable</li> <li>• Optimize for video surveillance</li> </ul>

MICROPHONE		
Model		
	DS-2FP2020	DS-2FP4021-B
Type	HiFi Microphone	Digital Noise Reduction Microphone
Frequency Response	20Hz~20KHz	100Hz~16KHz
Pickup Range/Direction	70 m2 / 360°	60 m2 / 360°
Signal:Noise	60dB	75dB
Dynamic Range	70dB	85dB
Output Impedance	600 ohm unbalanced	600 ohm unbalanced
Connections	3 wires (Power, Audio Out, GND)	3 wires (Power, Audio Out, GND)
Construction	PVC	Aluminum alloy
Dimensions	Φ78 x 28 mm (3 x 1.1")	Φ64 x 20 mm (2.5 x 0.8")
Power Requirements (max.)	12V DC / 25mA	12V DC / 45mA

## ACCESSORIES

STORAGE PRODUCTS			
Model			
	<b>DS-A81016S</b>	<b>DS-A82024D</b>	<b>DS-A80624S</b>
<b>Controller/Processor</b>	Single, 64-bit multi-core processor	Double, 64-bit multi-core processor	Single, 64-bit multi-core processor
<b>High-speed buffer</b>	4 to 32 GB	4 GB (expandable to 8G)	4 to 32 GB
<b>Video Input/Output</b>	IP SAN: 180-ch (2Mbps) Hybrid SAN: 320-ch (2Mbps)	IP SAN: 256-ch (2Mbps) CVR: 448-ch (2Mbps)	IP SAN: 180-ch (2Mbps) Hybrid SAN: 320-ch (2Mbps)
<b>HDD slot</b>	16	24	24
<b>HDD interface</b>	SATA / 1 TB, 2 TB, 3 TB, 4 TB, 6 TB	SAS / 1 TB, 2 TB, 3 TB, 4 TB (SSD is optional)	SATA / 1 TB, 2 TB, 3 TB, 4 TB, 6 TB
<b>Hot-swap disk</b>	Supported	Supported	Supported
<b>RAID level</b>	RAID 0, 1, 3, 5, 6, 10, 50, JBOD, Hot-Spare	RAID 0, 1, 3, 5, 6, 10, 50, JBOD, Hot-Spare	RAID 0, 1, 3, 5, 6, 10, 50, VRAID, JBOD, Hot-Spare
<b>Data protection</b>	Real-time backup of system information	Real-time backup of system information	Real-time backup of system information, LUN clone
<b>Network Protocol</b>	RTSP / ONVIF / PSIA / iSCSI	RTSP / ONVIF / PSIA / iSCSI	RTSP / ONVIF / PSIA / iSCSI
<b>External data port</b>	3x 1000M Ethernet interface	4x 1000M self-adaptive Ethernet interface	3x 1000M Ethernet interface
<b>Management port</b>	3x 1000M Ethernet interface	1x 100M self-adaptive Ethernet interface	3x 1000M Ethernet interface
<b>Power Supply</b>	Redundant	Redundant	Redundant
<b>Power consumption</b>	Working Consumption: ≤221 (with HDD) Rating Power Consumption: ≤550W	Working Consumption: ≤507 (with HDD) Rating Power Consumption: ≤800W	Working Consumption: ≤330 (with HDD) Rating Power Consumption: ≤800W
<b>Temperature</b>	Working: 5° C to 40° C (41° F to 104° F) Storing: -40° C to 55° C (-40° F to 131° F)	Working: 5° C to 40° C (41° F to 104° F) Storing: -40° C to 55° C (-40° F to 131° F)	Working: 5° C to 40° C (41° F to 104° F) Storing: -40° C to 55° C (-40° F to 131° F)
<b>Chassis</b>	3U	4U	4U














STORAGE EXPANSION		
Model		
	<b>DS-AJ7824S</b>	<b>DS-AJ7824D</b>
<b>Controller</b>	Single	Double
<b>SAS Interface (Upper-level)</b>	1 (12Gbps)	1 (12Gbps)
<b>SAS Interface (Lower-level)</b>	1 (12Gbps)	1 (12Gbps)
<b>HDD Interfaces</b>	24	24
<b>HDD Interface Type</b>	SATA	SAS
<b>Hot Swap HDD</b>	Support	Support
<b>Power</b>	Redundant	Redundant
<b>Applicable Models</b>	DS-A81016S, DS-A80624S	DS-A82024D
<b>Power Consumption</b>	Working: ≤358 W Rated: ≤800 W	Working: ≤390 W Rated: ≤800 W
<b>Working Temperature</b>	Working: 5° C to 40° C (41° F to 104° F) Storing: -40° C to 55° C (-40° F to 131° F)	Working: 5° C to 40° C (41° F to 104° F) Storing: -40° C to 55° C (-40° F to 131° F)
<b>Chassis</b>	4U	4U





## ACCESSORIES

### PTZ BRACKETS

Model													
	<b>WMP-S</b>	<b>WMP-L</b>	<b>WMP-MPZ</b>	<b>CMP</b>	<b>PMP</b>	<b>JBPW-L</b>	<b>CMP-JB</b>	<b>PMP-JB</b>	<b>PMPL</b>	<b>CMPL</b>	<b>CPM-S</b>	<b>CPM-L</b>	<b>CPMPE</b>
Description	Short wall mount for 4" PTZ	Wall Mount PTZ-Long	Wall Mount for DS-2DE2AXX series	Corner Mount Adapter WMP-S and WMP-L	Pole Mount Adapter WMP-S and WMP-L	PTZ Junction box with wall bracket	Corner Mount for JBPW-L	Pole Mount for JBPW-L	Pole Mount Large (for JBP-W)	Corner Mount Large (for JBP-W)	Ceiling Pendant Mount-Short	Ceiling Pendant Mount-Long	Ceiling Pendant Mount, extension pipe 1.5" diameter

PTZ brackets are for series DS-2AE5xxx, DS-2AE7xxx, DS-2DE4xxx, DS-2DE5xxx, DS-2DE6xxx, DS-2DE7xxx, DS-2DF5xxx, DS-2DF6xxx, DS-2DF8xxx

### PTZ BRACKETS

### STAINLESS STEEL BRACKETS

Model													
	<b>PMP-V</b>	<b>RPM</b>	<b>JBPW-L-G</b>	<b>CMP-JB-G</b>	<b>PMP-JB-G</b>	<b>CPM-S-G</b>	<b>CPM-L-G</b>	<b>CPMPE-G</b>	<b>PMP-V-G</b>	<b>RPM-G</b>	<b>WBPT-S</b>	<b>WBPT</b>	<b>WMP-SS</b>
Description	Vertical Pole Mount for CPM-S/L	Roof Parapet Mount	PTZ Junction box with wall bracket (gray)	Corner Mount for JBPW-L-G (gray)	Pole Mount for JBPW-L-G (gray)	Short Ceiling Pendant Mount (gray)	Long Ceiling Pendant Mount-Long	Ceiling Pendant Mount, extension pipe 1.5" diameter (gray)	Vertical Pole Mount for CPM-S/L (gray)	Roof Parapet Mount (gray)	Wall Mount for DS-2DY9xxx Series Upright PTZs	Wall Mount for DS-2DY5223IW-AE Upright PTZ	Pendant Wall Mount for DS-2DT6223-AELY














\*PTZ brackets are for series; DS-2AE5xxx; DS-2AE7xxx; DS-2DE4xxx; DS-2DE5xxx; DS-2DE6xxx; DS-2DE7xxx; DS-2DF5xxx; DS-2DF6xxx; DS-2DF8xxx

### STAINLESS STEEL BRACKETS

### CAMERA HOUSING

### BOX CAMERA BRACKETS

### UNIVERSAL BRACKET FOR PENDANT CAPS

Model													
	<b>CPM-SS</b>	<b>WMS-SS</b>	<b>JBM-SS</b>	<b>WB-XC</b>	<b>CHB</b>	<b>CHB-HBW</b>	<b>CHB-HB</b>	<b>WBS</b>	<b>WBL</b>	<b>PP1</b>	<b>PP2</b>	<b>CPM</b>	<b>CPME</b>
Description	Pendant Ceiling Mount for DS-2DT6223-AELY	Pendant Wall Mount for DS-2CD6626DS-1ZHS	Medium Junction Box	Wall Bracket for XC Series SS Dome	Camera Housing with Bracket	CHB-HBW (Camera Housing w Bracket, Heater, Blower, Wiper)	CHB-HB (Camera Housing w Bracket, Heater, Blower)	Suitable for box camera, wall mount	Suitable for box camera and housing, wall mount	Pendant Mount extendable (80") - For Box and Fisheye 1/4 20 mount	Pendant Mount 8" - For Box and Fisheye 1/4 20 mount	Camera Ceiling Pendant Mount	Camera Ceiling Pendant Mount, Extension Pipe 1" diameter














### UNIVERSAL BRACKET FOR PENDANT CAPS

### UNIVERSAL BRACKET FOR WALL MOUNTS

### SUN/RAIN SHIELD

### BRACKET FOR DVR/NVR

### CAMERA BRACKETS

Model													
	<b>WMS*</b>	<b>WML</b>	<b>RPM</b>	<b>PM</b>	<b>CM</b>	<b>SRS*</b>	<b>SRSM</b>	<b>SRSL</b>	<b>WMR</b>	<b>PC110*</b>	<b>PC110T*</b>	<b>PC120*</b>	<b>PC130*</b>
Description	Short Wall Mount, junction box and Teflon tape included	Long Wall Mount, junction box and Teflon tape included	Roof Parapet Mount	Pole Mount Adapter	Corner Mount Adapter	Wall mount dome rain and sun protection	Medium -For outdoor dome rain and sun protection	Large -For outdoor dome rain and sun protection	Wall Mounted Bracket for DVR/ NVR is compatible with DS-7608NI-E2/8P and DS-7616NI-E2/16P	110 mm Pendant Cap	110TRS Pendant Cap	120 mm Pendant Cap	130 mm Pendant Cap

\*Pendant caps are 1.0" thread and come with 1.5" and .75" adaptors

Compatible with WMS and WML

## ACCESSORIES

### CAMERA BRACKETS













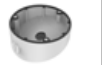

Model	 *Black model <b>PC130TB</b> <b>PC130T*</b>	 *Black model <b>PC135B</b> <b>PC135*</b>	 <b>PC135H</b>	 *Black model <b>PC140B</b> <b>PC140*</b>	 <b>PC140PT</b>	 <b>PC155</b>	 <b>PC160</b>	 <b>PC165</b>	 <b>PC210</b>	 <b>PC-DE4A</b>	 <b>PC-FE</b>	 *Black model <b>CB110B</b> <b>CB110*</b>	 <b>CB-130</b>
Description	130TRL Pendant Cap	135 mm Pendant Cap	135 mm Pendant Cap	140 mm Pendant Cap	140 mm Pendant Cap for DS-2DE3304W-DE	155 mm Pendant Cap	160 mm Pendant Cap	165 mm Pendant Cap	210 mm Pendant Cap for DS-2D6986F-H	Pendant Cap for DE4A Series PTZs	Pendant Cap for fisheye	Conduit Base	Conduit Base

Compatible with WMS and WML

Compatible with WML
















\*Pendant caps are 1.0" thread and come with 1.5" and .75" adaptors

### CAMERA BRACKETS

Model	 <b>CB-130T</b>	 <b>CB135</b>	 <b>CB140PT</b>	 <b>CB165</b>	 <b>CB-DE4A</b>	 <b>CB-FE</b>	 *Black model <b>CBMB</b> <b>CBM*</b>	 *Black model <b>CBSB</b> <b>CBS*</b>	 *Black model <b>CBSXB</b> <b>CBXS*</b>	 <b>CBT-1</b>	 *Black model <b>AB110B</b> <b>AB110*</b>	 *Black model <b>AB135B</b> <b>AB135*</b>	 <b>AB165</b>	 <b>AB-FE</b>
Description	Conduit Base	Conduit Base	Conduit Base for DS-2DE3304W-DE	Conduit Base	Conduit Box for DE4A Series PTZs	Conduit base for Fisheye	Conduit Base	Conduit Base	Conduit Base	Conduit Base	15° Angled Base	15° Angled Base	15° Angled Base	15° Angled Base for Fisheye

\*Pendant caps are 1.0" thread and come with 1.5" and .75" adaptors

### CAMERA BRACKETS

Model	 <b>AB-FE2</b>	 <b>AB-FE45</b>	 *Black model <b>ABSB</b> <b>ABS*</b>	 <b>ABM</b>	 *Black model <b>RCM-1B</b> <b>RCM-1*</b>	 *Black model <b>RCM-2B</b> <b>RCM-2*</b>	 *Black model <b>RCM-3B</b> <b>RCM-3*</b>	 <b>RCM-4</b>	 <b>RCM-DE4A</b>	 <b>RCM-5</b>	 <b>WM-C</b>	 *Black model <b>WM110B</b> <b>WM110*</b>	 <b>CM6810</b>	 <b>WM6810</b>	 <b>GP100</b>
Description	15° Angled Base for Fisheye	45° Angled Base for Fisheye	15° Angled Base	15° Angled Base	Recessed ceiling mount	Recessed ceiling mount	Recessed ceiling mount	Recessed ceiling mount for DS-2DE3304W-DE	Recessed Ceiling Mount for DE4A Series PTZs	Recessed ceiling mount for DS-2CD27X5F(H) WD-IZS, DS-2CD27X5G0-IZS	Wall Mount Compact	Plastic Wall Mount	Inceiling Mount for iDS-2CD6810F/C	Wall Mount for iDS-2CD6810F/C	Single Gang Plate



## BRACKET CHART

		PENDANT CAP										CONDUIT BASE										ANGLED BASE								RECESSED CEILING MOUNT				WALL MOUNT		SUN/RAIN SHADE			GP									
Camera Model		PC110	PC110T	PC120	PC130	PC130T	PC135	PC135H	PC140	PC140PT	PC155	PC160	PC210	PC-FE	PC165	CB110	CB130	CB130T	CB135	CB140PT	CB165	CB-FE	CBM	CBS	CBXS	CBT-1	AB110	AB135	AB165	AB-FE	AB-FE2	AB-FE45	ABM	ABS	RCM-1	RCM-2	RCM-3	RCM-4	WM-C	WM110	SRS	SRL	SRLM	GP100				
H.265+	DS-2CD51x5/6G0-IZS				●																							●								●												
	DS-2CD55x5/6-IZHS										●																																					
	DS-2CD5Ax5/6-IZHS*																																															
PROFESSIONAL SOLUTIONS	DS-2CD41xxFxx-IZ				●																							●														●	●					
	DS-2CD42xxFxx-IZHx*																●											●																				
	DS-2CD43xxFWD-IZHSx											●										●								●												●	●					
	DS-2CD45xxFxx-IZHx														●							●								●												●						
	DS-2CD4AxxFxx-IZHx*																●							●																								
	DS-2CD63xxFxx-1x														●								●								●																	
	DS-2CD6W32FWD-IVS																																●															
	DS-2CD6986F-H												●																																			
DEEPIVUE	DS-2CD71x5/6G0-IZS				●																							●									●											
	DS-2CD75x5/6-IZHS										●																																					
	DS-2CD7Ax5/6-IZHS*																																															
VALUE PLUS SOLUTIONS	DS-2CD20xxWD-I																								●																							
	DS-2CD21xxFWD-IS	●															●										●														●	●			●			
	DS-2CD23x2WD-I					●													●															●														
	DS-2CD25x2FWD-IS			●																																												
	DS-2CD26x2FWD-IZS*																●							●																								
	DS-2CD27x2FWD-IZS						●												●									●								●							●	●				
	DS-2CD2Tx2WD-I																	●						●																								
																		●																														
H.265+ CAMERA	DS-2CD20x5FWD-I																●								●			●														●	●			●		
	DS-2CD21x5FWD-I	●															●										●													●			●			●		
	DS-2CD23x5FWD-I					●													●															●														
	DS-2CD29x5FWD-IS																														●						●											
	DS-2CD2Tx5FWD-IS																							●																								
	DS-2CD26x5FWD-IZS*																																															
	DS-2CD27x5FWD-IZS										●																																					
	DS-2CD2Hx5FWD-IZS																											●																				
		PC110	PC110T	PC120	PC130	PC130T	PC135	PC135H	PC140	PC140PT	PC155	PC160	PC210	PC-FE	PC165	CB110	CB130	CB130T	CB135	CB140PT	CB165	CB-FE	CBM	CBS	CBXS	CBT-1	AB110	AB135	AB165	AB-FE	AB-FE2	AB-FE45	ABM	ABS	RCM-1	RCM-2	RCM-3	RCM-4	WM-C	WM110	SRS	SRL	SRLM	GP100				

\*Includes CB130 conduit base

GP = Gann Plate

\*Includes CB130 conduit base  
GP = Gang Plate

BRACKET CHART

		PENDANT CAP										CONDUIT BASE										ANGLED BASE										RECESSED CEILING MOUNT				WALL MOUNT		SUN/RAIN SHADE			GP					
Camera Model		PC110	PC110T	PC120	PC130	PC130T	PC135	PC135H	PC140	PC140PT	PC155	PC160	PC210	PC-FE	PC165	CB110	CB130	CB130T	CB135	CB140PT	CB165	CB-FE	CBM	CBS	CBXS	CBT-1	AB110	AB135	AB165	AB-FE	AB-FE2	AB-FE45	ABM	ABS	RCM-1	RCM-2	RCM-3	RCM-4	WM-C	WM110	SRS	SRSL	SRSM	GP100		
VALUE SOLUTIONS	DS-2CD20xxxx-I																																													
	DS-2CD21x2Fxx-I	●														●												●										●			●					
	DS-2CD22x2-IS																	●							●																					
	DS-2CD23x2xx-I					●																	●										●													
	DS-2CD25xxF-xx			●																																										
	DS-2CD26x2F-I*																	●							●																					
	DS-2CD27x2Fxx-1							●												●									●												●		●			
	DS-2CD2942F-IS																															●					●									
	DS-2DE2103-DE3/W																																				●									
	DS-2DE2202I-DE3/W																																				●									
	DS-2DE3304W-DE									●											●																●									
	Wi-Fi	DS-2CD21x2F-IWS	●														●																													
DS-2DE2103-DE3/W																																					●									
DS-2DE2202I-DE3/W																																					●									
TurboHD™   ANALOG MIGRATION SOLUTIONS	DS-2CE10DFT-F																									●																				
	DS-2CE12DFT-F																									●																				
	DS-2CE72DFT-F																																													
	DS-2CC12D8T-AMM																																													
	DS-2CE56H0T-VPITF	●														●												●											●			●				
	DS-2CE16H0T-IT3F																																													
	DS-2CE56H0T-ITMF		●																																											
	DS-2CE16H0T-IT5F																																			●										
	DS-2CE56H0T-IT3F		●																																	●										
	DS-2CE16H0T-AIT3ZF																																													
	DS-2CE56H0T-IT3ZF																																													
	DS-2CE56H0T-AITZF				●																																									
	DS-2CE56H0T-AVPIT3ZF								●																				●																	
	DS-2CE56H5T-AVPIT3ZE								●																				●																	
	DS-2CE56H5T-AITZE				●																																									
	DS-2CE16H5T-IT1E																									●																				

GP = Gano Plate

GP = Gang Plate



BRACKET CHART

	PENDANT CAP															CONDUIT BASE										ANGLED BASE										RECESSED CEILING MOUNT				WALL MOUNT		SUN/RAIN SHADE			GP		
	PC110	PC110T	PC120	PC130	PC130T	PC135	PC135H	PC140	PC140PT	PC155	PC160	PC210	PC-FE	PC165	CB110	CB130	CB130T	CB135	CB140PT	CB165	CB-FE	CBM	CBS	CBXS	CBT-1	AB110	AB135	AB165	AB-FE	AB-FE2	AB-FE45	ABM	ABS	RCM-1	RCM-2	RCM-3	RCM-4	WM-C	WM110	SRS	SRSL	SRSM	GP100				
TurboHD™   ANALOG MIGRATION SOLUTIONS	DS-2CE16H5T-ITPE																																														
	DS-2CE56H5T-IT1E		●																															●													
	DS-2CE16H5T-AIT3ZE																							●																							
	DS-2CE16D8T-IT1																									●																					
	DS-2CE56D8T-IT1		●																															●													
	DS-2CE16D8T-ITP																																														
	DS-2CE11H0T-PIRL																																														
	DS-2CE12H0T-PIRL																																														
	DS-2CE71H0T-PIRL		●																																●												
	DS-2CE11D0T-PIRL																																														
	DS-2CE12D0T-PIRL																																														
	DS-2CE17U8T-IT																																														
	DS-2CE18U8T-IT3																																														
	DS-2CE19U8T-(A)IT3Z																								●																						
	DS-2CE37U8T-A																								●																						
	DS-2CE57U8T-VPIT	●														●											●													●			●				
	DS-2CE59U8T-(A)VPIT3Z								●																				●													●		●			
	DS-2CE78U8T-IT3		●																																	●											
	DS-2CE79U8T-IT3Z					●																			●									●													
	DS-2CE16D8T-AIT3Z																																														
	DS-2CE16D8T-IT																																														
	DS-2CE16D8T-IT3																																														
	DS-2CE16D8T-IT5																																														
	DS-2CE56D8T-AITZ				●																																	●					●				
	DS-2CE56D8T-AVPIT3Z								●																				●														●		●		
	DS-2CE56D8T-IT3		●																																												
DS-2CE56D8T-IT3Z					●																			●										●													
DS-2CE56D8T-ITM		●																																													
DS-2CE56D8T-VPIT	●														●											●													●		●			●			
DS-2CE11D8T-PIRL																									●																						

\*Includes CB130 conduit base  
GP = Gang Plate

\*Includes CB130 conduit base  
GP = Gang Plate

BRACKET CHART

TurboHD™ | ANALOG MIGRATION SOLUTIONS

\*Includes CB130 conduit base  
GP = Gang Plate

PENDANT CAP																CONDUIT BASE										ANGLED BASE										RECESSED CEILING MOUNT				WALL MOUNT		SUN/RAIN SHADE			GP
PC110	PC110T	PC120	PC130	PC130T	PC135	PC135H	PC140	PC140PT	PC155	PC160	PC210	PC-FE	PC165		CB110	CB130	CB130T	CB135	CB140PT	CB165	CB-FE	CBM	CBS	CBXS	CBT-1		AB110	AB135	AB165	AB-FE	AB-FE2	AB-FE45	ABM	ABS	RCM-1	RCM-2	RCM-3	RCM-4	WM-C	WM110	SRS	SRSL	SRSM	GP100	
																																	</												







## CLIENT SOFTWARE & MOBILE APPS

### iVMS-4200 CLIENT SOFTWARE (MICROSOFT WINDOWS AND macOS) – NO LICENSING FEE!

<b>Live View</b>	Support up to 4 output screens, recommend maximum of 32 live views
<b>Encoding Device</b>	Up to 256 encoded devices (DVR, NVR, IPC, encoder)
<b>Decoding Device</b>	Up to 64 decoding devices
<b>Imported Camera</b>	Up to 1024 imported cameras
<b>Camera Group</b>	Up to 256 camera groups, with 64 maximum cameras in one group
<b>Storage Server</b>	Up to 16 storage servers, each server's recording performance is 64*2 Mbps
<b>Stream Media Server</b>	Up to 16 stream media servers, each server supports 64 channels or 128 Mbps incoming and 200 channels or 400 Mbps outgoing, whichever limit is reached first for incoming and outgoing.
<b>Playback</b>	16 channel playback. For best performance, 1 to 4 cameras at a time are recommended for remote playback
<b>Download</b>	Up to 16 simultaneous download tasks
<b>User</b>	Up to 51 users per software installation
<b>System Log</b>	Configurable, 1 to 6 months
<b>E-map</b>	Supports PNG, BMP, and JPEG images. Nested maps supported.
<b>PTZ</b>	Control, presets, patrols, patterns supported
<b>Device Search</b>	Supports Search Activated Device Protocol (SADP)
<b>Device Configuration</b>	Supports remote programming and configuration of any connected device. Features Add Device Wizard.
<b>Minimum Server System Requirements</b>	Windows 7 / Windows 8.1 / Windows Server 2008 (32-bit or 64-bit) / Windows Server 2008 R2 / Windows Server 2012 (64-bit)



### iVMS-4500 MOBILE CLIENT APPLICATION FOR SMARTPHONES AND TABLETS

This mobile app can be used to monitor live video, alarm notifications, and recorded video from DVRs, NVRs, IP cameras and video encoders from anywhere with cellular or Wi-Fi Internet access.

<b>Number of Devices</b>	100 device addresses
<b>Live View</b>	16 channels
<b>Remote Playback</b>	Up to 4 channels concurrently
<b>Stream Quality</b>	Selectable between Clear (main stream), Fluent (sub stream) and Custom
<b>Stream Type</b>	Video and audio
<b>PTZ Control</b>	Pan, tilt, zoom, focus, iris, preset
<b>Snapshot</b>	Snapshot and video recording in Live View and Remote Playback
<b>Compatible Devices</b>	Apple iOS (iPhone/iPad) <sup>1</sup> Android (4.0 or higher) <sup>2</sup> Windows Mobile (Windows 8 Mobile or higher) <sup>3</sup>

<sup>1</sup>iOS app must be installed from the Apple App Store.

<sup>2</sup>Android app must be installed from Google Play.

<sup>3</sup>Windows Mobile app must be installed from the Windows Store.

### HIK-CONNECT P2P AND DDNS PLATFORM AND MOBILE APPS

Hik-Connect is the latest remote access platform that is designed to allow quick and secure set up of your surveillance system and video intercoms for remote viewing via the Internet on a smartphone or tablet using the Hik-Connect mobile app, or on a personal computer using the iVMS-4200 Client Software. Below is a comparison of the two Hik-Connect services offered.

Service	Hik-Connect P2P	Hik-Connect DDNS
<b>Require Hik-Connect Account(s)</b>	Yes	Yes
<b>Port Forwarding Required</b>	No	Yes
<b>Remote Configuration Permissions</b>	1 Account	Multiple Accounts
<b>Dual Authentication (Hik-Connect and Device)</b>	No	Yes
<b>Maximum Continuous Live Viewing per Camera</b>	5 min	Unlimited
<b>Number of Simultaneous Playback Streams</b>	4	4
<b>Live View</b>	16/page, 256/group	16/page, 256/group
<b>Ability to Connect via Internet Explorer Web Browser</b>	No	Yes

Standard Software is included in the compatible product packages only. No-fee policy applies to license, channel, software support agreement, and technical support access of Standard Software only. Customized software may incur additional fee.  
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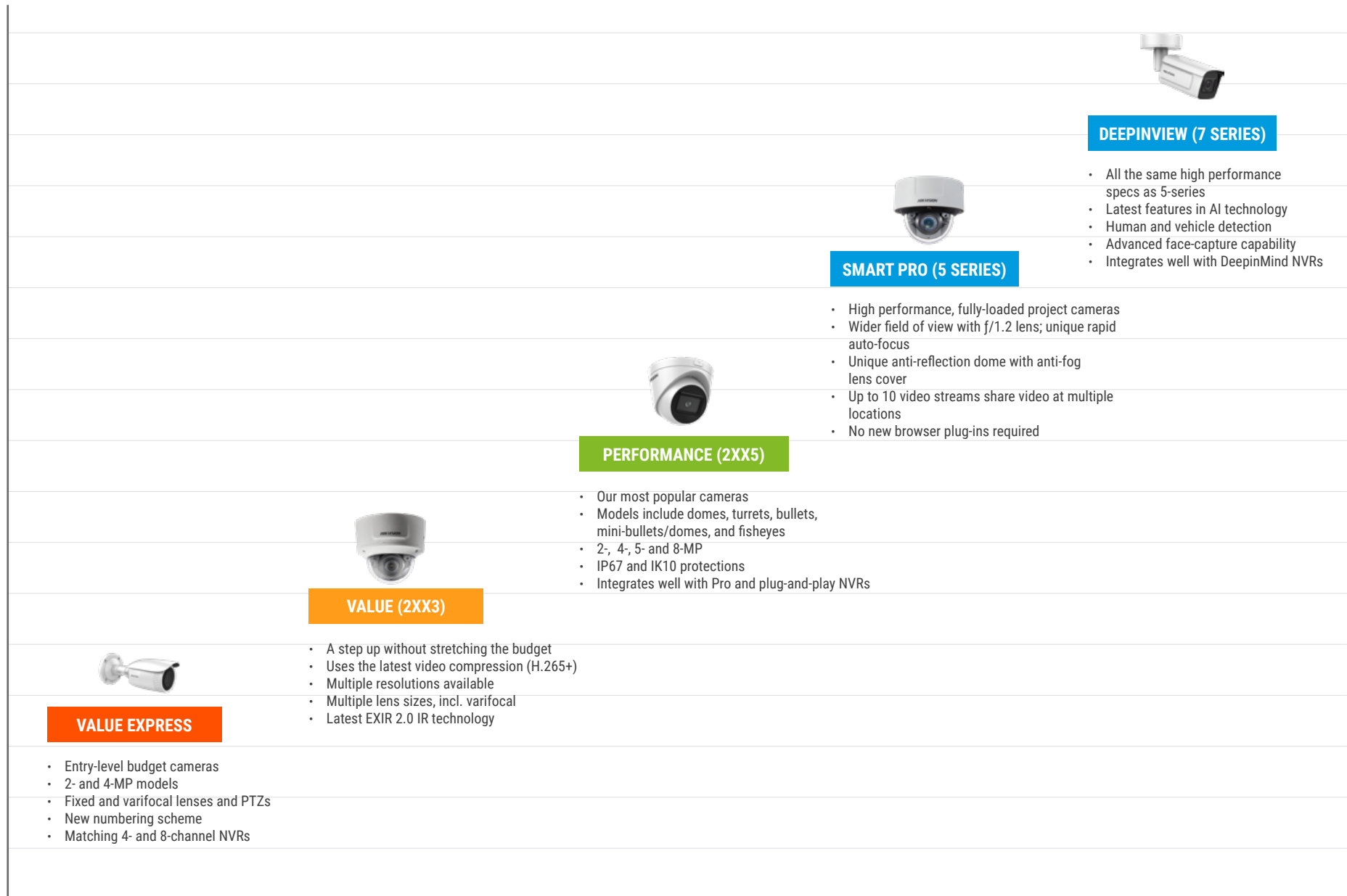




## IP CAMERA COMPARISON CHART

Category	Value Express	Value 2XX3	Performance 2XX5	Smart Pro 5 Series	DeepInView 7 Series
Image Quality	2 MP: 0.028 Lux 4 MP: 0.018 Lux Digital WDR 4 MP VF 120 dB WDR	2 MP: 0.028 Lux 4/6 MP: 0.018 Lux 120 dB True WDR	2 MP: 0.008 Lux 4 MP: 0.009 Lux 5 MP: 0.027 Lux 6/8 MP: 0.016 Lux Powered by DarkFighter 120 dB True WDR	2/4 MP: Color: 0.002 Lux 6/8/12 MP: Color: 0.009 Lux 2/4 MP DarkFighter 120 dB True WDR 2/4 MP 140 dB WDR	2/4 MP: Color: 0.002 Lux 6/8/12 MP: Color: 0.007 Lux 2/4 MP DarkFighter 120 dB True WDR 2/4 MP 140 dB WDR
Max Resolution	4 MP	6 MP	8 MP	12 MP	8 MP
Codec	H.265+	H.265+	H.265+	H.265+	H.265+
Video Content Analysis	---	3 VCA Line Crossing, Intrusion, Face Detection	5 VCA Line Crossing, Intrusion, Object Removal, Unattended Baggage, Face Detection	10 VCA Line Crossing, Intrusion, Object Removal, Unattended Baggage, Entrance and Exit Detection, Scene Change, Audio Exception, Defocus, Face Detection	10 VCA Plus AI GPU Line Crossing, Intrusion, Object Removal, Unattended Baggage, Entrance and Exit Detection, Scene Change, Audio Exception, Defocus, Face Detection Plus AI Human/Vehicle/Face
Multiple Streams	2	3	3	10	10
Max Frame Rate	30 fps	30 fps	2 MP @ 60 fps	2 MP @ 60 fps	2 MP @ 60 fps
Analytics	---	3	6	10	10 by AI GPU
EXIR 2.0	✓ (EXIR: Fixed dome & bullet)	✓	✓	✓	✓
Power output for PIR, Sensors, Microphones	---	---	---	✓	✓
Electric Image Stabilization	---	---	---	✓	✓
Digital Noise Reduction	✓	✓	✓	✓	✓
IP Address Filtering	---	---	---	✓	✓
Defog	---	---	---	✓	✓
Heater	---	---	---	✓ (Outdoor models)	✓ (Outdoor models)
Temperature Range	-30° C to 50° C (-22° F to 122° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-40° C to 60° C (-40° F to 140° F) Outdoor models only	-40° C to 60° C (-40° F to 140° F) Outdoor models only

PRICE



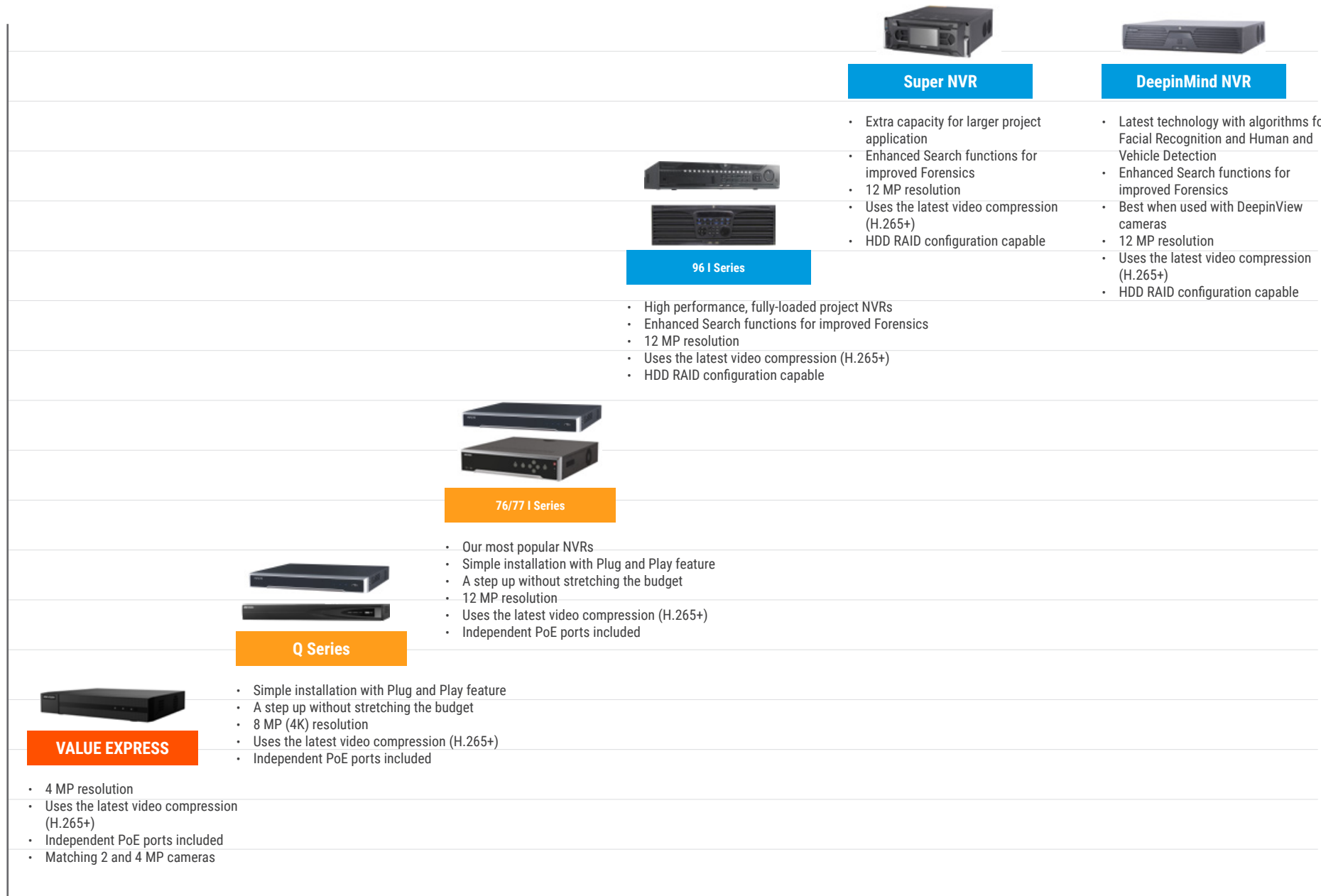
PERFORMANCE



## NETWORK VIDEO RECORDER COMPARISON CHART

Category	Value Express	Value Q Series	Value 76/77 I series	Smart Pro 96 I series	Smart Pro Super NVR	Deep Learning DeepinMind NVR
IP Video Inputs	4/8	4/8/16	8/16/32	16/32/64	64/128/256	32
Max Resolution	4 MP	8 MP (4K)	12 MP	12 MP	12 MP	12 MP
Codec	H.265+	H.265+	H.265+	H.265+	H.265+	H.265+
Decoding	2-ch @ 1080p	4-ch @ 1080p	16-ch @ 1080p	16-ch @ 1080p	20-ch @ 1080p	16-ch @ 1080p
Max Incoming Bandwidth (Mbps)	40/60	40/80/160	40/80/160	256/320	512/768	256
Maximum Outgoing Bandwidth (Mbps)	60	80	256/320	256	512/768	200
RAID	---	---	---	✓	✓	✓
Internal SATA	1	1 or 2	2 or 4	8 or 16	24	8
Max HDD size	6 TB	6 TB	8 TB	10 TB	10 TB	10 TB
PoE	✓	✓	✓	---	---	---

PRICE

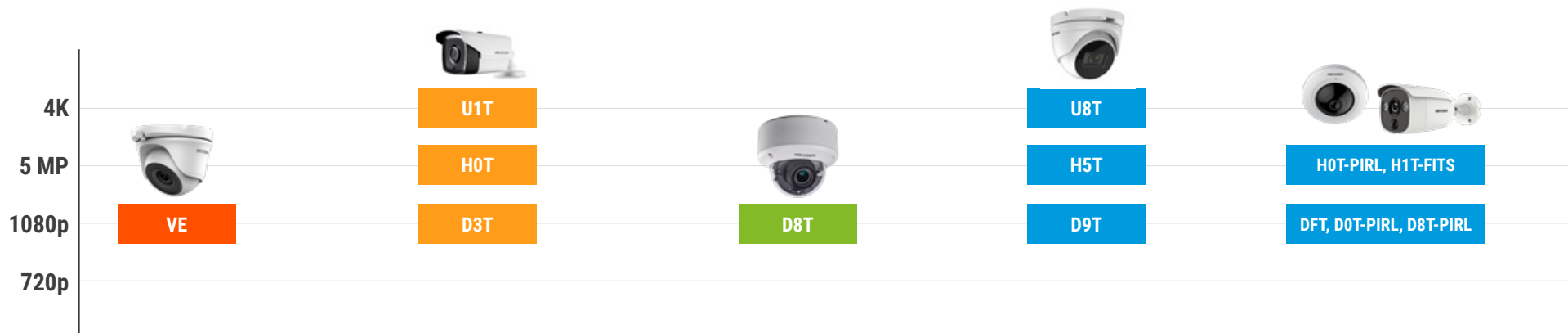


PERFORMANCE



# TurboHD™ CAMERA COMPARISON CHART

Levels	Specialty				
Series	D0T-PIR	D8T-PIR	H0T-PIR	DFT	H1T-FITS
Image quality	DNR EXIR 2.0 0.01 Lux	3D DNR True WDR EXIR 2.0 0.005 Lux	DNR EXIR 2.0 0.01 Lux	DNR 3D DNR True WDR 0.0005 Lux	Panorama Fisheye PTZ 0.01 Lux
Resolution	1080p	1080p	5Mega	1080p	5Mega
4 in 1	---	---	---	✓	---
Day/Night	True	True	True	24/7 Color	True
PIR Detection	✓	✓	✓	---	---
IR Range max (meters)	20	20	20	---	---
White Supplemental Light	✓	✓	✓	✓	---
PIR	✓	✓	✓	---	---



#### VALUE EXPRESS

- Entry-level budget cameras
- 2 MP models
- Fixed and varifocal lenses and PTZs
- New numbering scheme
- Matching 4, 8, and 16 channel DVRs

#### VALUE

- A step up without stretching the budget
- Models include domes, turrets and bullets
- Multiple resolutions available
- Multiple lens sizes including varifocal
- Latest EXIR 2.0 IR technology

#### VALUE PLUS

- Best selling series
- Models include domes, turrets and bullets
- 2 MP resolution cameras
- Multiple lens sizes including varifocal
- Latest EXIR 2.0 IR technology
- Black housing models available

#### PROFESSIONAL

- High performance, fully-loaded project cameras
- Models include domes, turrets and bullets
- Multiple resolutions available
- Multiple lens sizes including varifocal
- 120dB WDR and PoC models available

#### SPECIALTY

- High-security, application specific cameras
- Models with PIR detection and soft white light
- Multi-view, fisheye model
- Multiple lens sizes including varifocal
- Excellent low-light color imaging

## DIGITAL VIDEO RECORDER COMPARISON CHART

Category	Value Express	7200HQI	7200HUI	7200HTI	7300HQI	7300HUI	9000HUI
Max TVI Resolution	1080p	2 MP	5 MP	8 MP	2 MP	5 MP	5 MP
Analog input	4/8/16	4/8/16	4/8/16	4/8	8/16/32	8/16/32	8/16/32
IP Video Inputs	1	1 or 2 (for 8 and 16 ch)	2	2 or 4 (for 8 ch)	2 or 8 (for 32 ch)	2 or 8 (for 32 ch)	10/18/32
Max IPC Resolution	1080p	6 MP	8 MP	8 MP	6 MP	8 MP	12 MP
Codec	H.264+	H.265+	H.265+	H.265+	H.265+	H.265+	H.265+
RAID	---	---	---	---	--	✓	✓
Internal SATA	1	1 or 2	1 or 2	1 or 2	4	4	8
Max HDD size	1, 2 or 4 TB	8 TB	8 TB	8 TB	8 TB	8 TB	8 TB
Power over Coax Option	---	✓	✓	---	---	---	---
Point of Sale Interface	---	---	---	---	✓	✓	✓
Total Bandwidth (Mbps)	F204, 60 F208, 96 F216, 128	7204, 72 7208, 96 7216, 128	7204, 96 7208, 128	7204, 96 7208, 128	7308/7316, 120 7332, 160	7308, 200 7316/7332, 260	9008, 260 9016, 320 9032, 520
Max fps	720p, 30 1080p, 12	720p, 30 1080p,15	720p, 30 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12	720p, 30 1080p, 30 3 MP, 18 4 MP, 30 5 MP, 20 8 MP, 12	720p, 30 1080p, 15	720p, 30 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12	720p, 30 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12

PRICE



#### VALUE EXPRESS

- Entry-level DVR
- 1080p resolution
- Best price/performance models
- H.264+ compression
- Up to 2 MP IPC connectivity



#### VALUE SERIES

- 72HQI, 72HUI, 72HTI Series
- Up to 8 MP resolution
- Price conscious enhanced performance models
- Our most popular DVR's
- Uses the latest video compression (H.265+)
- Up to 8 MP IPC connectivity
- Power over Coax models



#### PRO SERIES

- 73HQI, 73HUI, 90HUI Series
- Up to 5 MP resolution
- High performance, fully-loaded project DVR's
- Extra capacity for larger project application
- Uses the latest video compression (H.265+)
- Up to 12 MP IPC connectivity
- Supports Point of Sale interface
- HDD RAID configuration capable

PERFORMANCE





## HIKVISION UNAUTHORIZED DISTRIBUTORS POLICY

Hikvision USA Inc., and Hikvision Canada Inc. (Hikvision USA and Hikvision Canada), sell products only through authorized distributors. We value our industry partners and are proud of the relationships we have developed to help expand the use of our innovative technology products and solutions. Hikvision's authorized distributors serve as an important link in the Hikvision USA and Hikvision Canada value chain by providing excellent pre- and post-sale customer service, including firmware updates and sales engineering support.

Not every distributor advertising Hikvision products has been authorized by Hikvision USA or Hikvision Canada to advertise or sell those products. We warn potential customers against purchasing products from unauthorized distributors. Unauthorized distributors may be selling products that are counterfeit, used, have modified firmware or are otherwise damaged. The Hikvision warranty is void, per company policy, on any product that is not purchased through a Hikvision USA or Hikvision Canada authorized distributor.

Purchasing through authorized Hikvision USA and Hikvision Canada distributors ensures that you receive the benefits of technical support, project registration, dealer loyalty programs and advance replacement of any camera, recorder, monitor, video server, or software, in addition to Hikvision USA and Hikvision Canada's full warranty. Additionally, products purchased through authorized distribution partners have additional customized features and capabilities that distinguish the North American offering.

If you have any questions or concerns about the official status of your Hikvision distributor before your purchase, please contact Hikvision USA and Hikvision Canada Customer Service at [csr.usa@hikvision.com](mailto:csr.usa@hikvision.com) to confirm their authorized status.

Thank you for your continued support of our industry-leading video surveillance products.



# Contact

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