**DS-9016HFI-S H.264 Intelligent Hybrid DVR**

**Overview**
The DS-9016HFI-S is the next generation of hybrid digital video recording technology from Hikvision. Built on an embedded platform and combining the latest H.264 video encoding and decoding technologies, the DS-9016HFI-S delivers rock-solid reliability and high performance. The DS-9016HFI-S supports both analog and IP-based video inputs.

**Standard Features**
- H.264 video compression
- Up to 16 channel analog video inputs and 8 channel IP video inputs
- 3 independent local video output (VGA, MAIN and AUX video/audio out)
- 16 channel audio input
- 16 alarm inputs / 4 alarm outputs
- Up to 32 simultaneous users with multi-user level management
- Pentaplex operation enables simultaneous recording, live view, playback, back-up and network operations
- Watermark video
- Advanced motion detection and video analytics
- Easy backup to USB and optical drives
- Support up to 8 SATA hard disk drives
- High reliability with redundant recording
- Support NTP (Network Time Protocol) and SADP (Search Activated Device Protocol)

**Advanced Features**
- Advanced motion detection and video analytics, including privacy mask, tampering and video loss alerts
- Pre/Post-recording of alarm and motion detected events
- PTZ controls with preset, patrol and pattern settings
- Full system logging including operation, alarm and defined events
- Support input from front control panel, mouse, IR remote and keyboard operation
- Built-in recording of various alarms, including hard disk errors, unauthorized log-ins and network conflicts

**Specifications**

**Video & Audio Input**
- Video Compression: H.264
- Video Input: Up to 16 Ch analog and 8 Ch IP
- Audio Compression: Ogg/Vorbis
- Audio Input: 16 Ch, BNC (2.0 Vp-p, 1 kΩ)
- Voice Talk Input: 2 Ch, BNC (2.0 Vp-p, 1 kΩ)

**Video & Audio Output**
- Display: PAL: 704x576, NTSC: 704x480
- VGA Output: 1x 1024x768 (60 Hz), 1x 1024x768 (70 Hz), 1x 1280x1024 (60 Hz)
- Recording Resolution: 720P/ACIF/DCIF/2CIF/4CIF/QCIF
- Video Output: 2 Ch, BNC (1.0 Vp-p, 75Ω)
- Recording/Playback: PAL: 25fps, NTSC: 30fps
- Video Bitrate: 32 kbps-2048 kbps or user-defined (max: 6144 kbps)
- Audio Output: 2 Ch, BNC (Linear Electric Level, 600Ω)
- Audio Bitrate: 16 kbps

**Hard Disk Drive**
- Interface: SATA (Up to 8)
- Capacity: Each HDD supports over 2TB

**External Interface**
- Network Interface: 1x RJ45 10M/100M/1000M Ethernet Port
- Serial Interface: 1x RS-232, 1x RS-485 (PTZ), 1x RS-485 (Keyboard Interface)
- USB Interface: 2x USB 2.0
- Alarm Input: 16 (terminal block)
- Alarm Output: 4 (terminal block)

**Dimensions & Electrical**
- Power Supply: AC100V to AC240V, 50 Hz to 60 Hz
- Consumption: <50W (w/o HDD)
- Temperature: -10°C to 55°C (14°F to 131°F)
- Humidity: 10% - 90%
- Chassis: 19" standard 2U
- Weight: 17.9 lbs