HIKVISION

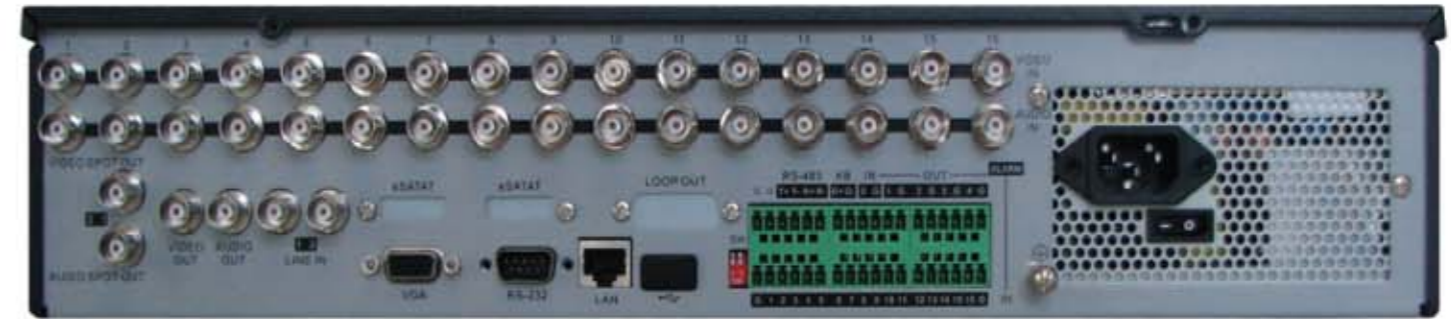# DS-9016HFI-S H.264 Intelligent Hybrid DVR

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)

Rear I/O Panel Diagram

Advanced Features

- ▸ Advanced motion detection and video analytics, including private 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 reporting 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	OggVorbis
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/4CIF/DCIF/2CIF/CIF/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
Size	17 ¾" (L) x 17 ¾" (W) x 3 ¾" (H)
Weight	17.5 lbs