

DS-9004/9008/9016HWI-ST

960H Hybrid DVR



Key features

- H.264 video compression
- WD1(960*576) resolution real-time recording
- Third-party network cameras supported
- Up to 5 Megapixels resolution recording
- HDMI and VGA output at up to 1920×1080P resolution
- 8/16-ch synchronous playback
- HDD quota and group management
- Dual Gigabit network interfaces

Rear Panel of DS-9016HWI-ST



1. Video in
2. Video loop out
3. Video spot out
4. Video out
5. CVBS audio out, VGA audio out
6. Line in
7. Audio in, RCA connector
8. Audio in, DB26 connector
9. RS-232 serial interface
10. VGA interface
11. HDMI interface
12. eSATA interface
13. LAN1, LAN2 network interface
14. Termination switch
15. RS-485 serial interface, keyboard Interface, alarm in, alarm out
16. GND
17. 100 ~ 240 VAC power input
18. Power switch

	DS-9004HWI-ST	DS-9008HWI-ST	DS-9016HWI-ST
Video/Audio input			
Video compression	H.264		
Analog video input	4-ch, BNC(1.0Vp-p, 75Ω), PAL / NTSC self-adaptive	8-ch, BNC(1.0Vp-p, 75Ω), PAL / NTSC self-adaptive	16-ch, BNC(1.0Vp-p, 75Ω), PAL / NTSC self-adaptive
IP video input	8-ch	16-ch	32-ch
Composite video input	Up to 8-ch (Analog video + IP video)	Up to 16-ch (Analog video + IP video)	Up to 32-ch (Analog video + IP video)
Audio compression	OggVorbis		
Audio input	4-ch, RCA (2.0Vp-p, 1kΩ)	8-ch, Audio 1-4: RCA (2.0Vp-p, 1kΩ) Audio 5-8: DB26 connector	16-ch, Audio 1-4: RCA (2.0Vp-p, 1kΩ) Audio 5-16: DB26 connector
Two-way audio input	1-ch, BNC (2.0Vp-p, 1kΩ)		
Video/Audio output			
HDMI output	1-ch, resolution: 1920 × 1080P /60 Hz , 1600 × 1200 /60 Hz, 1280 × 1024 /60 Hz, 1280 × 720 /60 Hz, 1024 × 768 /60 Hz		
VGA output	1-ch, resolution: 1920 × 1080P /60 Hz , 1600 × 1200 /60 Hz,1280 × 1024 /60 Hz, 1280 × 720 /60 Hz, 1024 × 768 /60 Hz		
Playback resolution	5MP / 3MP / 1080P / UXGA / 720P / WD1 / 4CIF / VGA / 2CIF / CIF / QCIF		
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480		
Video spot output	1-ch BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480	4-ch	4-ch
Video loop output	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)
Encoding resolution	WD1 / 4CIF / 2CIF / CIF / QCIF		
Frame rate	25 fps (P) / 30 fps /N		
Video bit rate	32 Kbps-8192 Kbps, or user defined (Max. 8192 Kbps)		
Audio output	2-ch, RCA (2.0 Vp-p, 1 kΩ)		
Audio bit rate	16 Kbps		
Dual-stream	Support, (Sub-stream at CIF / QCIF: 25 fps (P) / 30 fps /N)		
Stream type	Video, Video & Audio		
Synchronous playback	8-ch	16-ch	16-ch
Hard disk			
SATA	8 SATA interfaces for 4 HDDs + 1 DVD-R/W (default), or 8HDDs		
eSATA	1 eSATA interface		
Capacity	Up to 4TB capacity for each disk		
External interface			
Network interface	2, RJ45 10M / 100M / 1000M self-adaptive Ethernet		
Serial interface	1 RS-232 interface (for parameters configuration, maintenance, transparent channel); 1 RS-485 interface (for PTZ control); 1 RS-485 keyboard interface (for special keyboard control)		
USB interface	2, USB2.0		
Alarm in	4	16	16
Alarm out	2	4	4
General			
Power supply	100 ~ 240 VAC, 6.3A, 50 ~ 60Hz		
Consumption	≤ 70W (without hard disk or DVD-R/W)		
Working temperature	-10°C ~ +55°C (14°F ~ 131°F)		
Working humidity	10% ~ 90%		
Chassis	19-inch rack-mounted 2U chassis		
Dimensions (W x D x H)	445 × 470 × 90 mm (17.52" × 18.5" × 3.54")		
Weight	≤ 8kg (17.64 lb) (without hard disk or DVD-R/W)		