

DS-9004/08/16HWI-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			
Analog video input	4-ch, BNC (1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive	8-ch,	16-ch,
IP video input	Up to 8-ch	Up to 16-ch	Up to 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 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
Incoming bandwidth	20 Mbps	40 Mbps	80 Mbps
Video/Audio output			
HDMI / VGA output	1920 ×1080 / 60 Hz (1080P), 1600 ×1200 / 60 Hz, 1280 ×1024 / 60 Hz, 1280 ×720 / 60 Hz, 1024 ×768 / 60 Hz		
CVBS output	2-ch (1 Main output + 1 Spot output) BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 ×576, NTSC: 704 ×480	5-ch (1 Main output + 4 Spot outputs)	
Video loop out	4-ch, BNC (1.0 Vp-p, 75 Ω)	8-ch,	16-ch,
Audio output	2-ch, RCA (2.0 Vp-p, 1 KΩ)		
Max. remote connection	128-ch		
Outgoing bandwidth	240 Mbps	240 Mbps	240 Mbps
Encoding/Decoding Parameters			
Video compression	H.264		
Encoding resolution	Main stream: WD1 / 4CIF / 2CIF / CIF / QCIF Sub-stream: CIF / QCIF		
Frame rate	Main stream: 25 fps (P) / 30 fps (N) Sub-stream: 25 fps (P) / 30 fps (N)		
Video bitrate	32 Kbps ~ 8 Mbps		
Audio compression	OggVorbis		
Audio bitrate	16 Kbps		
Stream type	Video, Video & Audio		
Dual-stream	Support		
Synchronous playback	8-ch	16-ch	
Hard disk			
Type	8 SATA interfaces for 4 HDDs + 1 DVD-R/W (default), or 8HDDs; 1 eSATA interface		
Capacity	Up to 4 TB capacity for each disk		
External interface			
Two-way audio	1-ch, RCA (2.0 Vp-p, 1 KΩ)		
Network interface	2; 10M/100M/1000M self-adaptive Ethernet interface		
Serial interface	RS-232, RS-485, Keyboard		
USB port	3 × USB2.0		
Alarm in/out	4 / 2	16 / 4	16 / 4
General			
Power supply	100 ~ 240 VAC, 6.3 A, 50 ~ 60 Hz		
Consumption (without hard disk or DVD-R/W)	Max. 35W	Max. 40W	Max. 45W
Working temperature	-10 °C ~ +55 °C (14 °F ~ 131 °F)		
Working humidity	10%~90%		
Chassis	19-inch rack-mounted 2U chassis		
Dimensions(W × D × H)	445 × 470 × 90 mm		
Weight	Approx. 8 kg / 17.6 lb (without hard disk or DVD-R/W)		