

Technology - Surveillance Systems

DV8000 series Network DVR

The DV8000 series network disk video recorder features video and audio encoding/decoding, hard disk recording and TCP/IP networking capabilities.



DV8000 series Network DVR

It can be used either as a stand-alone digital video recorder (DVR) or as part of a larger digital surveillance network as a digital video server (DVS). It is widely used in various industries like telecommunications, transportation, and banks.

Main features

Real Time OS
Embedded MCU
High-performance DSP hardware compression

Compression functions

H.264 video compression algorithm
Total frame rate:
- 400 FPS (PAL) or 480 FPS (NTSC) at CIF/2CIF/4CIF resolution

Supports:

- Multi-zone motion detection
- Mask function to mask sensitive areas
- View tampering alarm function against intentional camera block
- Video signal loss alarm function
- Position configurable OSD&LOGO
- Both constant bit rate and variable frame rate
- Dual-stream and the sub stream can support CIF/QCIF compression resolution

Storage functions

Supports:

- 8 SATA interface, 8 SATA HDD
- Each HDD maximum of 2000GB
- HDD sleep mode
- HDD S.M.A.R.T function
- FAT32 file system
- Multiple recording modes:
All-time record, motion-detect record, external alarm record, motion &/or alarm record, manual record
- Cycle and non-cycle record mode
- USB flash disk, USB hard disk and USB CD-RW/DVD-RW for backup

Preview & playback functions

User definable preview layout

Supports:

- Single main monitor and VGA
- Single spot monitor for preview and playback
- 2-channel synchronous playback
- Playback fast, slow, pause, forward, backward, frame by frame, etc.

Network functions

Supports:

- TCP, UTP, RTP, Multicast, DHCP, etc.
- ADSL (PPPoE) dialup function
- Narrow band (PSTN) dialup function
- Internet Explorer for network preview

Remote:

- Parameters setup
- Playback, download the recorded files in DVR
- Upgrade DVR firmware
- PTZ Control
- DVR Alarm information

Other functions

Supports:

- Network voice talk
- PTZ local and remote control
- Multi-level user management
- Local and remote search log function
- Automatic recovery from exceptions
- SDK and demo source code to shorten the application development time

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DV8000 series

Network DVR

Technical Specifications

MODEL	DV808-HIS	DV816-HIS
Video compression	H.264	
Preview resolution	4CIF real time (PAL: 704*576, NTSC: 704*480)	
Playback resolution	4CIF/DCIF/2CIF/CIF/QCIF real time	
Video Input	8-ch, BNC (1.0Vp-p, 75 Ω)	16-ch, BNC (1.0Vp-p, 75 Ω)
Main Video Output	1-ch, BNC (1.0Vp-p, 75 Ω)	
Aux Video Output	1-ch, BNC (1.0Vp-p, 75 Ω)	
Total Frame rate	400fps (PAL) or 480fps (NTSC) at CIF/2CIF/4CIF	
Stream Type	Video/ Video & Audio	
Max bit rate	32Kbps ~ 2Mbps, self-define	
Audio Input	8-ch, BNC (2.0Vp-p, 1K Ω)	16-ch, BNC (2.0Vp-p, 1K Ω)
Main Audio Output	1-ch, BNC (Linear, Electrical Level, 600 Ω)	
Aux Audio Input	1-ch, BNC (Linear, Electrical Level, 600 Ω)	
Audio compression	OggVorbis, 16Kbps	
Voice Talk	1-ch, BNC (Linear, Electrical Level, 1K Ω)	
Communication interface	1RJ45 10M/100M Self-adaptive Ethernet interface: 1RJ45 RS232 Port	
RS-485 Port	1 Port (T+, T-, R+, R-)	
Keyboard interface	1 Port (D+, D-)	
SATA interface	8 SATA interfaces, max support 8 SATA HDD. Each HDD can max support 2000GB	
USB interface	1 USB interface, USB1.1, can support USB flash memory, USB HDD and USB CD-R/W	
VGA interface	1 VGA interface, support resolution: 800X600/60Hz, 800X600/75Hz, 1024X768/60Hz	
External alarm in	16	16
Relay output	4	4
Power supply	100 ~ 240VAC, 6.3A, 50~60Hz	
Power consumption	20 ~ 42W (without HDD and CD-R/W)	
Working temperature	-10°C ~ +55°C	
Working humidity	10% ~ 90%	
Size	19" Standard (450mmX450mmX95mm)	
Weight	≤ 8kg (without HDD and CD-RW)	

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