HD08P/16P

H.264 Real Time Pentaplex DVR

What make the things different in DVR is picutre quality and stablility. Our HDP series is the one what you looking for quite long time. Eventually, with our high performance real time DVR, you can enjoy the full benefit of latest compression H.264 and free from headache because of stability. With our HDP series you can distinguish the recorded data clearly compare to MPEG4 due to the motion artifact, and you will find the tremendous difference with our HDP series based on H.264 compression. It's your turn to enjoy the real solution for Digital Video Recorder with our brand new HDP series.

H.264 COMPRESSION
REALTIME RECORDING
MULTIMEDIA DATA BASE
8/16 CHANNEL
LINUX POWERED
4 SPOT OUT
GUI
HI-SPEED USB
SERIAL ATA
WEB MONITORING
VGA VGA OUTPUT
REMOTE CONTROL
DVD R/RW
CMS
HDD HDD ARCHIVING
MOUSE
RoHS
ATM/POS TEXT IN
2 Way Audio
MIC IN



True H.264 Standard Video Compression

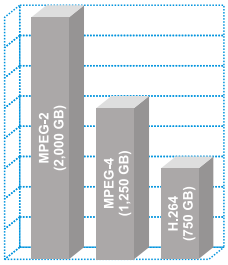
The most-touted feature of HD08/16P is the inclusion of the H.264 video codec, also known as Advanced Video Codec (AVC) or MPEG-4 Part 10.
This is the latest video standard to emerge from the MPEG standards group.



H.264 at 320x240, 450 Kbps

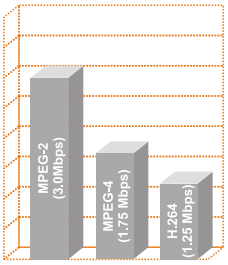


MPEG-4 at 320x240, 450 Kbps



◀Smaller File Size
- 60% less than MPEG-2
- 40% less than MPEG-4
- Longer Record Times
- Lower HDD Costs

Lower Bandwidth▶
- Faster Downloads
- Smoother & Cleaner Video over Network



Real Time Recording and Multi Ch. Playback

HDP series support full Real Time recording (at CIF) for entire channels. Users can record images at the real time speed, and able to search the important recorded data using various search options with multi channel playback at the same time.



10 images per second



30 images per second

Dedicated DB Structure for Stability

HDP series have its own distinctive image DB structure which enhances and optimizes the recording data stability. It provides fully recoverable and protection system for recording data against unexpected system shut downs.



Embeded Linux System to give you the Ultimate Reliablity



HDP series use internally optimized Embedded Linux System which provides most reliable and stable DVR applications can not be found on PC systems.

4 Spot Output with Event Pop up Function

HDP series provide additional 4 video outs (Spot Out). Event Pop Up feature on spot outs allow effective monitoring for Users.



Archiving Function to Secure the High Stability for Recorded Data



HDP series provides Archiving feature which allows the dual recording on multi HDDs. This protects data on HDD from physical damages by keeping same data on another HDD.

Four USB Port for Mouse operation, Multi USB Hub and Backup



HDP series provides multi purpose USB ports (4ea).
These multi USB ports provide USB control, Upgrade, Save Settings and Various back up options using USB memory, external HDD and etc.

Upto Four SATA HDD and No Limitation of Capacity



HDP series support unlimited storage capacity for the effective recording.
Up to 4 SATA HDDs can be installed or 3 SATA HDDs can be installed with 1 SATA ODD.

Various Recording Resolution D1/Half D1/CIF

HDP series provide various recording resolution options and individual recording schedule. Different recording speed can be set for each channel depending on various occasions.



CMS (Central Monitoring System)

HDP series provide 64ch multi monitoring/search program allows most effective remote controlling system.



8/16 Audio Input support

HDP series provides full Audio recording functions. 8 to 16 Audio are provided for individual channels, and 4 internal Mic Ins are included for the direct connection with Microphone.



Two- Way Audio

HDP series provide Two-Way Audio communication. This allows the advanced communication between DVR and Remote site.





Easy Setup same like DVR GUI in CMS

HDP Provides the most effective remote Set Up option for Users. Same set up Menu and GUI (Graphic User Interface) option as Local system is also provided on Remote program. This provides easier and friendly Remote control environments for Users.



Multiple DVRs can be operated with One Keyboard Controller



HDP allows effective and various controlling option using Remote Controller, Mouse, Front Panel and Keyboard Controller. Users can control multi DVRs using single Keyboard controller.

Web Monitoring, Searching and Setup



HDP series provides the most convenient remote controlling option via Web Browser. Users can Monitor, Search and Set Up their DVRs from anywhere in the world just using Web Browser (Internet Explore 7.0 or Higher) on any PC without a specific remote program.

Text-In & Relay Output Support



HDP series provide Text In function for POS and ATM devices using RS232 port. Alarm Outs are provided for entire video channels. 4 Relay Outs are also included among them for User convenience as Users do not need additional relay devices.

Own Media Player for Backup Playback

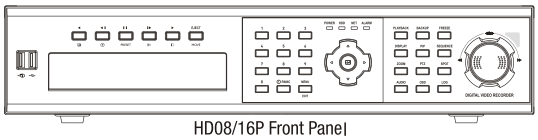
HDP series provide a self executable solution for simple backup data playback. This does not only provide effective data search and playback but also unauthorized data alteration.



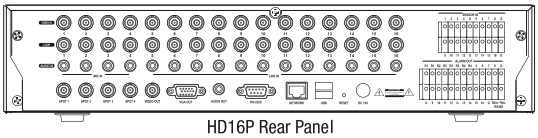
SPECIFICATIONS

Model		HD08P	HD16P
Video	In	8 BNC	16 BNC
	Out	1 VGA & 1 BNC Main, 4 Spot Output	
Audio	In	8 RCA (4 Mic in, 4 Line in)	16 RCA (4 Mic in, 12 Line in)
	Out	1 RCA (Line Out)	
Device	Sensor In	8 TTL	16 TTL
	Alarm Out	4 Relay + 4 TTL	4 Relay + 12 TTL
	I/O Interface	RS232, RS485, USB2.0x3, USB1.1x1 for Mouse	
Display	Speed	Real Time	
	Resolution	720 x 480 (NTSC), 720x576(PAL)	
	Split Screen	1, 4, 6, 8, 9, PIP, Digital Zoom	1, 4, 6, 8, 9, 13, 16, PIP, Digital Zoom
Recording	Compression	H.264 Codec	
	Speed / Resolution	240fps@CIF(NTSC) / 200fps@CIF(PAL) 120fps@Half D1(NTSC) / 100fps@Half D1(PAL) 60fps@D1(NTSC) / 50fps@D1(PAL)	480fps@CIF(NTSC) / 400fps@CIF(PAL) 240fps@Half D1(NTSC) / 200fps@Half D1(PAL) 120fps@D1(NTSC) / 100fps@D1(PAL)
	Picture Quality	Very High, High, Standard, Low	
	Mode	Time-lapse, Event, Time&Event, Emergency (Panic)	
Playback	Display	1, 4, 6, 8, 9, PIP, Digital Zoom	1, 4, 6, 8, 9, 13, 16, PIP, Digital Zoom
	Search Mode	Calendar Search, Event Search, Text-In Search, Go to Time	
	Playback Mode	Normal & Reverse Play, RW & FF (x2, x4, x8, x16, x32), Frame to Frame, Pause	
Network	Network Interface	Ethernet (10/100 Base)	
	Protocol	TCP/IP, HTTP, DHCP	
	Application	Live, Playback, Setup, Notification (Callback, E-Mail)	
	Web Browser	Internet Explorer 7 or higher	
Storage		3 x SATA HDD & 1 x SATA ODD (or max. 4 SATA HDD without ODD)	
Backup		CD & DVD-RW, External HDD(USB), External USB Memory	
Control		Front Panel Button, Jog-Shuttle, USB Mouse, IR Remote Controller, Joystick Controller	
OSD		Graphic User Interface (Multilingual)	
Approval		FCC, CE, MIC	
ROHS		ROHS Compliance	
Power Consumption		DC12V, 6.67A (80W)	
Operating Temperature		5°C ~ 40°C / 41°F~104°F	
Operating Humidity		0%~80% / non-condensing	
Dimension		430(W) x 88(H) x 428(D) mm / 16.93(W) x 3.5(H) x 16.85(D) inch	
Weight		6Kg / 13lb (without HDD)	

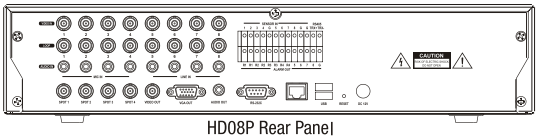
Specifications are subject to change without notice.



HD08/16P Front Panel



HD16P Rear Panel



HD08P Rear Panel