



4Ch. Pentaplex Real-Time H.264 Stand-Alone DVR

Model No.: DV-VH412

Features:

- Pentaplex operation – Simultaneous Record / Live view / Playback / Backup / Network Access
- H.264 compression provides better video quality, longer recording time, and fast Internet.
- Real time Recording and Playback – 120fps at CIF image
- Support 3G/GPRS Mobile phones Remote Access, such as iPhone, Blackberry, Windows Mobile based, or Java-supported mobile phones.
- Embedded Linux operating system
- User-friendly GUI Menu and Front Panel Design, operate with USB Mouse or IR Remote controller
- Support VGA main output, BNC main output, and BNC Spot monitor output.
- Remote access from PC supports Web browse (IE), Client software, and CMS software.
- CMS software features multi site DVR viewing, search, local playback, eMap, and PTZ camera control.
- E-mail Notification can be triggered by Video Loss, Motion, or Alarm.
- Configurable Normal, and Event recording frame rate & picture quality per channel
- Multiple Search categories: Date/Time, Calendar, and Event
- Picture-in-Picture Display and Channel Screen Popup on Motion/Sensor
- 1 Ch Audio inputs, and 1 Ch Audio outputs
- Easy Playback control with playback speed up to 64X or with Slow playback down to 1/8X.
- USB2.0 ports for video clip exporting, support USB thumb drive, or other external storage devices
- Export video clip includes Player software, so it's easy to be played in any PC.
- PTZ camera communication through RS485 port, support multiple PTZ camera protocols.
- Password protection for Role-based User access, configurable permission to Channel View, Operation, and Network access.
- IR Remote Controller can control up to four DVRs.



Specifications:

<i>Operation</i>		
Operation System	Linux Embedded	
Pentaplex	Record, Playback, Monitoring, Back up and Network access at the same time	
Operation	Front Panel, Remote Controller (Multi-ID support), USB Mouse	
<i>Video</i>		
Input	4CH, Composite Video, BNC	
Output	Main Monitor	BNC x 1
	VGA Output	Max. 1024 x 768 pixels
	Spot Monitor	BNC x 1
Resolution – Live Video	NTSC: 720x480 pixels	
Split Screen	1/4 Seq.	
Mode	Zoom x 2 / PIP / SEQ	

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Specifications Continued:

Audio	
Input	RCA x 1
Output	RCA x 1
Audio Format	G.711
Recording	
Compression Method	H.264 (Internet Transmission: H.264)
Recording Mode	Manual, Schedule, Holiday, Event (Alarm & Motion)
Resolution & Rate	720x480 Max 60fps
	720x240 Max 120fps
	352x240 Max 120fps
Recording Quality	Lowest / Low / Normal / High / Highest
Playback	
Playback	Play, Stop, Pause, Forward, and Reverse
Playback Speed	1x, 2x, ..., 32x, 64x, and in slow speed 1/2x, 1/4x, 1/8x
Retrieve	Time and Event
Storage	
Build-in Storage	SATA x 1
Back up / Export	USB 2.0 x 2, support ThumbDrive, DVD+RW / Internet Back up
Alarm	
Alarm Input	X4, NO or NC
Motion Detection	16 x 12 Grid Array
Video Loss Detection	Yes
Alarm Relay Output	X1, NO or NC
Network	
Protocol	TCP/IP, UDP, HTTP, SMTP, NTP, DHCP, PPPoE, DDNS
Remote Access	Client program or Web (IE) browse, Multi-user access, Two-way Audio
Remote Function	Easy GUI, Live Monitoring, System setup, Search, Playback, Backup, and PTZ control
3G/GPRS	Windows Mobile 6.0, Symbian, iPhone
Time Setting	Network Time Protocol Support
Communication	
Password	Role-based user control with configurable system access
PTZ Camera	RS485 port, support Pelco-D/P, LG, Samsung, KND, AV Tech, and Li-Lin protocols
Firmware Update	Through USB 2.0 port
General	
Power	DC 12V, 4A, AC Adapter included
Operation Environment	5°C ~ 40°C (41°F ~ 104°F); 0% ~ 90% Relative Humidity, Non-condensing
Dimension (W x H x D)	220 x 50 x 280mm (8.66 x 1.97 x 11in)
Weight	2.4Kg / 5.3lb (No hard drive)
Certification	CE, FCC, RoHS

Design and specifications are subject to change without prior notice.