

HMR Series High Performance Digital Video Recorder - Mpeg4

8/ 16 Channel Real Time Digital Video Recorder



Live Monitoring

Simultaneously monitor up to 64 cameras from multiple DVRs, in any combination. Control PTZ Speed Dome Cameras from remote site



HMR-08M



HMR-16Q



HMR-16M



System Configuration

Full configuration is possible from remote client software



Remote Search

From remote location, search and playback recorded images. In addition, backup images into remote PC



Status Report

Connect up to 300 DVRs simultaneously and receive each DVRs status report in real time. DVR ID, HDD Fail, Alarm, Motion, Video Loss, Power Loss, Recording Off

Key Features

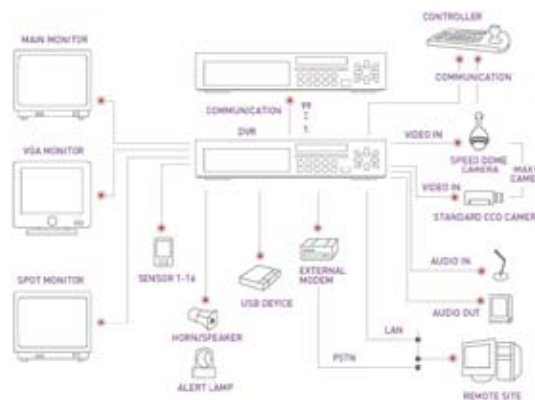
- OS: Embedded Linux
- NTSC or PAL video format are supported
- Internal storage up to 1.5TB
- M-PEG4 compression
- Average file size: 2.5~8 KB
- Multiplex function - simultaneous record, playback, network, backup
- Multiple video outputs: Composite, S-Video, Spot, VGA
- Hidden/ Covert camera feature
- Built in back up device: DVD-RW
- External back up device support (USB 2.0) memory stick, external HDD
- Power failure recovery
- RS-422/485 for PTZ speed dome and keypad controller
- Keypad controller with joystick (optional) - Control multiple DVRs and PTZ
- Support various PTZ protocols
- Time sync. between multiple DVRs
- Up to 16 channel audio over network
- Software upgrade via USB memory stick
- IR Remote Controller - Control upto 99 DVRs
- Text Insert feature

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Excellent Network Features

- Multi-site/ Enterprise level client software
- Remote access & management from client PC
- Static and Dynamic IP supported
- Proprietary Dynamic DNS service for Plug-n-Play remote connection
- Automatic e-mail notification for Alarm, video loss, power loss, HDD failure



SPECIFICATIONS

MODEL NO.	HMR-08M	HMR-16Q	HMR-16M
Operating System	Embedded Linux		
Video Input (BNC, 1Vp-p)	8	16	16
Video Output (BNC, 1Vp-p)	Main Monitor, S-Video, Spot Out, VGA		
Loop Out (BNC, 1Vp-p)	8 with termination	16 with termination	16 with termination
Video Format	NTSC or PAL		
Live Display	1, 4, 6, 7, 8	1, 4, 6, 7, 8, 9, 10, 13, 16	1, 4, 6, 7, 8, 9, 10, 13, 16
Playback Displays	1, 4, 6, 7, 8	1, 4, 6, 7, 8, 9, 10, 13, 16	1, 4, 6, 7, 8, 9, 10, 13, 16
Video Compression Method	MPEG-4		
Multiplex Function	Simultaneous Live Display, Playback, Record, Back-up, Remote Transmission		
Live Display Resolution	720 x 480 (NTSC), 720 X 576 (PAL)		
Average File Size	2.5~8 KB		
Live Display Rate	240pps (NTSC), 200pps (PAL)	480pps (NTSC), 400pps (PAL)	480pps (NTSC), 400pps (PAL)
Recording Rate & Resolution NTSC:	240pps @ 360 X 240 120pps @ 720 X 240 60pps @ 720 x 480	240pps @ 360 X 240 120pps @ 720 X 240 60pps @ 720 x 480	480pps @ 360 X 240 240pps @ 720 X 240 120pps @ 720 x 480
Alarm and Relay	8 Alarm Input, 4 Relay Output	16 Alarm Input, 4 Relay Output	16 Alarm Input, 4 Relay Output
System Control	Key Buttons, IR Remote Controller, Remote Client PC, Controller Keyboard		
PTZ Control	PTZ Control via RS-485/ RS-422 (support preset, recall, and tour)		
Audio	8 channel input, 1 channel output	16 channel input, 1 channel output	16 channel input, 1 channel output
Features			
Display Settings	Brightness, Contrast, Color Adjustments, Hidden/Covert Per Channel		
Camera Title	8 Characters Per Channel		
Recording Modes	Continuous, Schedule, Alarm, Motion, Overwrite		
Recording Adjustments	Recording Frame Rate Adjustment per Channel / Picture Quality Adjustment		
Pre-Alarm & Post Alarm Recording	Pre-Alarm: 4 seconds per channel, Post-Alarm: 20 sec. ~ 240 sec.		
Motion Detection Per Channel	16 Selectable Grids with 15 Sensitivity Levels		
Search Modes	Time/ Date, Camera, Alarm, Motion		
Playback Modes	Forward & Reverse: Pause, Field by Field, Normal Speed, 2X, 4X, 8X, 16X		
Alarm Notification	Automatic E-mail Notify Alarm Triggered, Video Loss, Power Loss, HDD Failure		
Intelligent File System	Power failure recovery: Auto reboot with data-loss protection against power failure		
System Utility	Multi Level Password Protection, Auto Lock/ Disk Format/ Disk Check/ Fan Lock Detection		
Internal Backup Device	DVD-RW		
External Backup Device	USB Thumb Drive & External HDD		
Communication Port	USB2.0, RS-232C, RS-422/ 485, Ethernet		
Storage	3 Internal HDD Bay Up to 1.5TB		
Network	LAN, WAN, Internet, PSTN Line, TCP/IP, DHCP (DDNS Server), HTTP		
Dynamic IP Support over Cable	Dedicated Host ID per unit. DVR will automatically self reconfigure everytime IP address changes		
External Telephone Modem Support	RS-232C		
Remote Client Software	Central Monitoring Software, Internet Explorer 6.0 and above		
IR Remote Controller	Control Up to 99 DVRs		
Power	100 ~ 240 VAC (50/60Hz)		
Dimensions	430 (W) x 450 (D) x 100 (H)		
Weight	9 Kg		
Operating Temperature	0°C ~ 40°C		

Specifications are Subject to Change without notice.