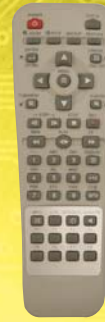


# DIGITAL VIDEO RECORDERS - HMR SERIES



## Live Monitoring

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



## System Configuration

Full configuration is possible from remote client software.

## Key Features

- OS: Embedded Linux
- NTSC or PAL video format are supported
- Internal storage up to 1.2TB
- 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
- Build 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
- 4 channel audio with live audio over network
- Software upgrade via USB memory stick
- IR Remote Controller - Control upto 99 DVRs
- Text Insert feature



## Remote Search

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

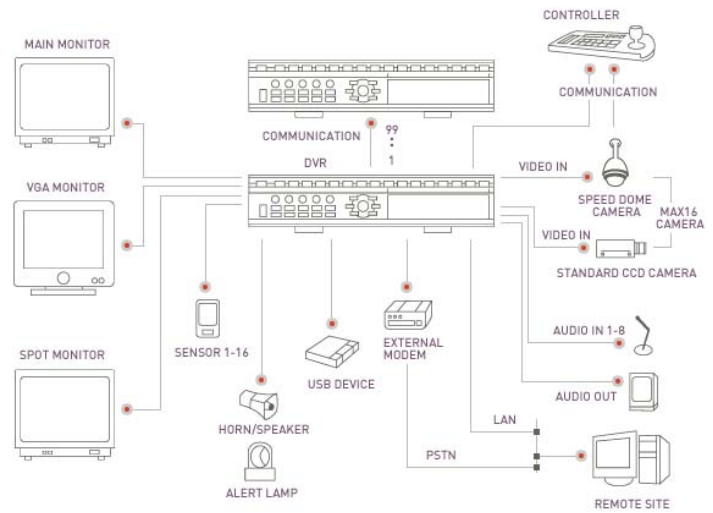


## Status Report

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

## 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

SPECIFICATIONS	HMR-04	HMR-08	HMR-16
Operating System	Embedded Linux		
Video Input (BNC, 1Vp-p)	4	8	16
Video Output (BNC, 1Vp-p)	Main Monitor, S-Video, Spot Out, VGA		
Loop Out (BNC, 1Vp-p)	4 with termination	8 with termination	16 with termination
Video Format	NTSC or PAL		
Live Display	1, 4, PIP	1, 4, 6, 8	1, 4, 6, 8, 9, 13, 16
Playback Displays	1, 4	1, 4, 6, 8	1, 4, 6, 8, 9, 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	120pps (NTSC), 100pps (PAL)	240pps (NTSC), 200pps (PAL)	480pps (NTSC), 400pps (PAL)
Recording Rate & Resolution	NTSC: 120pps @ 360 X 240, 60pps @ 720 X 240, 30pps @ 720 x 480 , PAL: 100pps @ 360 X 288, 60pps @ 720 X 288, 25pps @ 720 x 576		
Alarm and Relay	4 Alarm Input, 1 Relay Output	8 Alarm Input, 1 Relay Output	16 Alarm Input, 1 Relay Output
System Control	Key Buttons, IR Remote Controller, Remote Client PC		
PTZ Control	PTZ Control via RS-485/ RS-422 (support preset, recall, and tour)		
Audio	4 channel input, 1 channel output		
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	8 Levels of Resolution with Recording Frame Rate Adjustment		
Pre-Alarm & Post Alarm Recording	Pre-Alarm: 140pps, 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 Triggerd, Video Loss, Power Loss, HDD Failure		
Intelligent File System	Power failure recovery: Auto reboot with data-loss protection against power failure		
System Utility	2 Level Password Protection, Auto Lock/ Disk Format/ Disk Check/ Fan Lock Detection		
Internal Backup Device	DVDRW		
External Backup Device	USB2.0 Memory Stick & External HDD		
Communication Port	USB2.0, RS-232C, RS-422/ 485, Ethernet		
Storage Capacity	3 Internal HDD Bay Up to 1.2TB		
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, IE 6.0		
IR Remote Controller	Control Up to 99 DVRs		
Power	100 ~ 230 VAC (50/60Hz)		
Dimensions	360 (W) x 340 (D) x 100 (H)		
Weight	6 Kg		
Operating Temperature	0°C ~ 40°C		

Specifications are Subject to Change without notice.