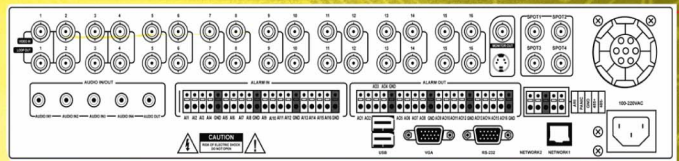


HSR Series High Performance Digital Video Recorder - Mpeg4

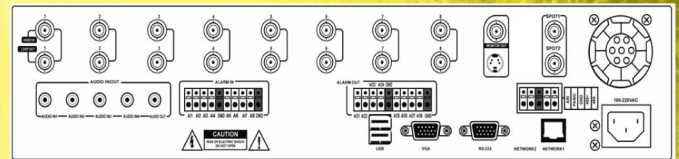
4/ 8/ 16 Channel Digital Video Recorder



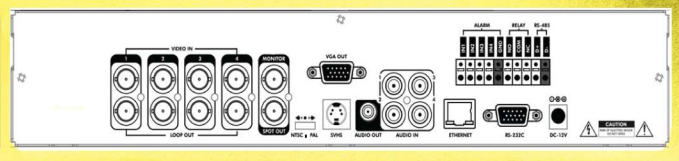
HSR-16E



HSR-08E



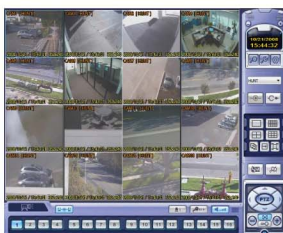
HSR-04E



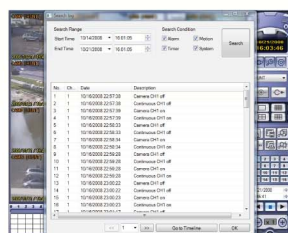
- 16/ 8/ 4 channel Stand-alone DVR with MPEG4 codec
- 120fps recording @ CIF resolution
- Adjustable resolution (CIF, 2CIF, 4CIF/D1) and frame rate per channel
- Support JPEG encoding for multi channel network monitoring
- 3 internal HDDs for 8 & 16 channel, 2 internal HDDs for 4 channel.
- Free Remote Agent Software
- Built-in multiplexer for live monitoring and playback
- Built-in DVD Writer and USB for data backup
- PTZ control (support preset) via RS485
- Support static and dynamic IP for xDSL, Cable-modem user
- Support IR remote controller
- Provide remote monitoring software (Remote Agent Software)
- Built-in Web Server for Web Browser viewing and playback
- Support NTP (Network Time Protocol) for time synchronization
- Support USB utility (Firmware & configuration value uploading)
- Date/Time, Log, Text, Smart search available from Remote Agent Software
- Support IPFR (Intelligent Power Failure Recovery)

Key Features

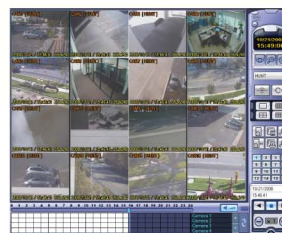
Remote Agent Software



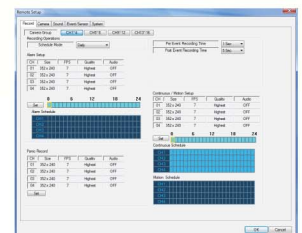
Remote Agent



Event Search



Remote Playback



Configuration Tool

- Adjustable resolution and frame rate per hour
- Various screen division (1/4/9/16)
- Alarm Popup and Sequential switch monitor
- Support DirectX Display (Full screen Display is possible)
- View Set mode (Group mode for management of each channel)
- Smart search
- Image Export (Saving the recorded image in bitmap or jpg)

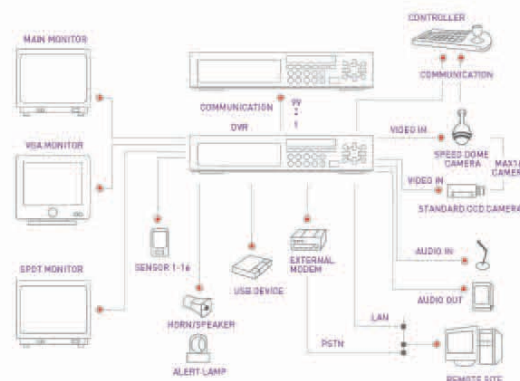
- Image Export (Saving the recorded image in bitmap or jpg)
- 2-Way Audio
- On Screen PTZ Control
- Event history Log & Status Panel
- Event Log Search Utility (Searching for relevant image)
- Surveillance Mode
- Text search

HSR Series High Performance Digital Video Recorder - Mpeg4

4/ 8/ 16 Channel Digital Video Recorder

Excellent Network Features

- 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. | HSR-16E | HSR-08E | HSR-04E |
| Operating System | Embedded Linux | | |
| Video Input (BNC, 1Vp-p) | 16 | 8 | 4 |
| Video Output (BNC, 1Vp-p) | 1 Main, 4 Spot Out, S-Video, VGA | 1 Main, 2 Spot Out, S-Video, VGA | 1 Main, 1 Spot Out, S-Video, VGA |
| Loop Out (BNC, 1Vp-p) | 16 with termination | 8 with termination | 4 with termination |
| Video Format | NTSC or PAL | | |
| Live Display | 1, 4, 6, 9, 13, 16 | 1, 4, 6, 8 | 1, 4 |
| Playback Displays | 1, 4, 16 | 1, 4, 8 | 1, 4 |
| Video Compression Method | MPEG-4 | | |
| Multiplex Function | Simultaneous Live Display, Playback, Record, Back-up, Remote Transmission | | |
| Live Display Resolution | 704 x 480 (NTSC), 704 X 576 (PAL) | | |
| Average File Size | 2.5~8 KB | | |
| Live Display Rate | 480fps (NTSC), 400fps (PAL) | 120pps (NTSC), 100pps (PAL) | 120pps (NTSC), 100pps (PAL) |
| Recording Rate & Resolution | NTSC: 120pps @ 352 X 240, 60pps @ 704 X 240, 30pps @ 704 x 480 , PAL: 100pps @ 352 X 288, 60pps @ 704 X 288, 25pps @ 704 x 576 | | |
| Alarm and Relay | 4 Alarm Input, 1 Relay Output | 8 Alarm Input, 8 Alarm Output | 16 Alarm Input, 16 Alarm Output |
| System Control | Key Buttons, IR Remote Controller, Remote Client PC | | |
| PTZ Control | PTZ Control via RS-485/ RS-422 | | |
| 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: 5 sec., Post-Alarm: 20 sec. ~ 180 sec. | | |
| Motion Detection Per Channel | 16 Selectable Grids / Adjustable | 16 Selectable Grids / Adjustable | 12 Selectable Grids / Adjustable |
| Search Modes | Time/ Date, Camera, Alarm, Motion | | |
| Playback Modes | Forward & Reverse: Pause, Field by Field, Normal Speed, 2X, 4X, 8X, 16X, 32X, 64X | | |
| 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 | 2 Level Password Protection, Auto Lock/ Disk Format/ Disk Check/ Fan Lock Detection | | |
| Internal Backup Device | DVD-RW | | |
| 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 2.25TB | | 2 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, IE 6.0 and above | | |
| IR Remote Controller | Control Up to 99 DVRs | | |
| Power | 100 ~ 230 VAC (50/60Hz) | | |
| Dimensions | 17in (W) x 16.25in (D) x 3.5in (H) | | 14.25in (W) x 15.75in (D) x 2.75in (H) |
| Weight | 15.4 lbs | | 8.2 lbs |
| Operating Temperature | 0°C ~ 40°C | | |

Specifications are Subject to Change without notice