



# HVRM-T1600M



## FEATURES

16 Channel H.264, Linux Embedded, 120 @ 720×480 (Full D1) Digital Video Recorder

- 16ch Stand-alone DVR
- Monitoring/Recording (480/120fps at D1) for All Channels
- Main and Spot Monitor Output via Built-in 2 BNC and 1 DVI Port
- Support Dual Codec(H.264,JPEG) / Multi Stream
- 2 Internal SATA Type HDDs
- Support External Storage via eSATA
- Date/Time, Calendar, Event, Thumbnail, Smart, Text Search Available
- Provide Bundle CMS Managing 1,024 DVRs in Various Ways such as E-map, Viewset
- Java Viewer for Chrome, Firefox, Safari
- Various Mobile Platform Support (iPhone/Android Viewer and Mobile page)

| Specifications           |                          |
|--------------------------|--------------------------|
| Model Number             | HVRM-T1600M              |
| Operating System         | Embedded Linux           |
| Video Input (BNC, 1Vp-p) | 16                       |
| Video Output             | 2 BNC(Main,Spot),1DVI    |
| Loop Out (BNC, 1Vp-p)    | 16 with Auto-termination |
| Live Displays            | 1, 4, 9, 16              |
| Playback Displays        | 1, 4, 9, 16              |
| Video Compression        | H.264/MJPEG              |
| Live Display Speed       | 480/400fps (NTSC/PAC)    |
| Record Resolution        | D1, HALF D1, CIF         |

| Specifications             |                                                                            |
|----------------------------|----------------------------------------------------------------------------|
| Record Speed               | 120@720×480 (Full D1) 240@720×240 (H.D1) 480@360×240(CIF)                  |
| Alarm in/out (Relay)       | 16 in / 2 out                                                              |
| Emergency Record Mode      | Yes                                                                        |
| System Control             | Key Buttons, Remote Client, IR Remote, HKB-400, Mouse Controlled GUI       |
| System Control SW          | Control Center, Web Browser                                                |
| PTZ Control                | RS485/RS232                                                                |
| Video Format               | NTSC/PAL                                                                   |
| Audio                      | 4ch Input, 1ch Output                                                      |
| Display                    | Brightness, Contrast and Covert Feature                                    |
| Camera Title               | 22 Characters per Channel                                                  |
| Recording Mode             | Schedule, Event (Pre/Post), Manual (Emergency)                             |
| Recording Quality          | 5 Levels of Compression Rate/Record Frame Rate Adjustment                  |
| Pre/Post Recording         | Pre: 5 sec/Post: 60 sec                                                    |
| Motion Detection           | 22×15 NTSC/22×18 PAL                                                       |
| Search Mode                | Date/Time, Event Alarm, Text, Smart Search (Motion)                        |
| Playback Modes             | Forward, Reverse, Pause, 1x, 2x, 4x, 8x, 16x, 32x, 64x                     |
| Multiplex Function         | Simultaneous Live Display, Playback, Record, Remote Monitoring/Playback    |
| Alarm Notification         | Automatic E-mail, Internal Buzzer, Relay-Out, Pop-Up Screen, Network Event |
| Support IPFR               | Intelligent Power Failure Recovery                                         |
| Watermark                  | Yes                                                                        |
| Password Protection        | 11 Level Password (Admin/10User)                                           |
| Interface                  | 2 RS-485, 1 RS-232                                                         |
| Storage                    | 2 Internal SATA HDD                                                        |
| IEEE 1394 port for storage | N/A                                                                        |
| Maximum Storage            | 4TB                                                                        |
| Storage Extension          | eSATA                                                                      |
| Back Up                    | USB, DVD RW, Network, eSATA, 1394B                                         |
| Network                    | LAN, WAN(xDSL), DHCP, ARP, ICMP, PPPoE, WESP, UDP, TCP/IP, SMTP, FTP       |
| Remote Client              | Control Center Standard                                                    |
| Certification              | FCC, CE, MIC, RoHS                                                         |
| Power                      | Input: 100-230VAC, 50/60Hz                                                 |
| Power Consumption          | Max 85W, Average 60W                                                       |
| Operation Temperature      | 0°C~+40°C?(32°F ~ 104°F)                                                   |
| Storage Temperature        | -20°C~+60°C?(-4°F ~ 140°F)                                                 |
| Operation Humidity         | 93%RH Below                                                                |
| Storage Humidity           | 95%RH Below                                                                |
| Dimension/Weight(in)       | 16(W)x14(D)x4(H)/15lbs                                                     |