



HVRM-T1600L



FEATURES

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

- 16ch Stand-alone DVR
- Monitoring/Recording (480/480fps at D1) for All Channels
- Adjustable Recording Quality/Speed Setup per Each Channel
- 4 Individual Monitor Output via Built-in 4 BNC and 2 DVI Port (Each Monitor Support Playback/Screen Division/Menu Feature)
- Support Dual Codec(H.264,JPEG) / Multi Stream
- Support IPFR (Intelligent Power Failure Recovery) File System
- 4 Internal SATA Type HDDs
- Support External Storage via Giga-Ethernet (HVRM-04)
- 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)
- Provide Full SDK for Easy and Powerful Customization

Specifications	
Model	HVRM-T1600L
Video input analog ch	16 BNC connectors (NTSC/PAL, auto detect)
Connectors	16ch, 75Ω BNC connector
Video output	4 BNC (Each monitor support 16 division), 2 DVI
Loop out	16 with auto-termination
Resolution	D1(4CIF), HALF(2CIF), CIF
Live Resolution	480/400fps (NTSC/PAL) at D1(4CIF)

Specifications	
Recording Resolution	480/400fps (NTSC/PAL) at D1(4CIF)
Quality	5 levels of compression rate / Record frame rate adjustment
Recording Mode	Manual & Event / Schedule & Event / Continuous & Event
Recording Schedule	Schedule
Playback Mode	Instant playback / search
Search type	Time, calender, event, thumbnail, smart
Event source	MD(Motion Detection), sensor, video loss, text
Sensor input	Dry contact (N.O. or N.C. selectable)
Text input	POS/ATM support, AVE VSI Pro/Hydra support
Alarm source	HDD fail, HDD almost full, fan fail, Pwd fail, WRS fail
Alarm action	Warning message, buzzer, e-mail, relay, twitter
Audio Input/ Output	16ch input / 1ch output
PTZ Protocols	35 models including C1080, C1080PT-Z20, Pelco-D, Pelco-P, Samsung, and Panasonic
Network Interface	10/100 Ethernet
Network Type	Fixed IP, Floating IP, xDSL
Network WRS	Supported
Network bandwidth limit	Suppoorted
Network NTP	Server / Client / Both
Network Users	10 monitoring, 2 playback
Security User level	1 admin, 10 users
User privilege	Menu, PTZ, relay, playback, power off, power on, copy, network MIC
IP filtering	Supported
Storage devices	4 internal SATA HDDs up to 2TB each, 1 external eSATA I/F, 1 ethernet for storage
Storage Mirroring	Supported
Storage Capacity	Max 8TB with SATA, Max 32TB with cascaded HVRM-04
Backup type	Multi-channel own file format or single channel avi file
Backup device	Internal CD/DVD or USB drive(2 port)
Serial & I/O	1 RS-232C, 2 RS-485
Relay output	4 relay
Controller Device	Front panel, IR remote, joystick KBD, mouse
Web viewer	Monitoring / Event / PTZ / Playback with IE
Java viewer	Monitoring / Event/ PTZ with Chrome, Firefox and Safari
Mobile viewer	Monitoring with PTZ, iPhone & Adroid supported
Software CMS	Control center standard, max 1024 DVRs
Dimension	445(W) x 418(D) x 88(H) mm
Weight	Approx. 9.5 Kg (21 lbs), No HDD
Operating temperature	5°C ~ 45°C (41°F ~ 113°F)
Power	AC 100~240V, 50/60Hz
Power consumption	Max. 75W Typical 50W

Specifications	
Approval	KC, FCC, CE, RoHS