



HVRM-HD1600M



FEATURES

16 CHANNEL HD-SDI DIGITAL VIDEO RECORDER

- 16 channel HD-SDI stand-alone DVR with H.264 and JPEG dual codec
- 16 channel Max. 120 fps recording with 1080P, 240 fps recording with 720P
- Adjustable resolution 1080P, 720P and frame rate per channel
- 4 internal HDDs with SATA type (Max. 4 HDDs can be installed)
- Support external storage with Max. 64TB via external storage HVRM-04
- Support Multi- stream for recording and network and mobile view simultaneously
- 4ch audio inputs for recording and 1 ch output for two-way audio
- Built-in 1 HDMI and VGA video out support up to 1080P
- Built-in multiplexer for 16 channel live monitoring and playback (1/4/9/16 mode)
- Built-in DVD-RW, USB and eSATA port for data backup
- Support large scaled storage via Gigabit Ethernet
- Support PTZ presets and tour feature via CMS software
- Support IR remote control and external keyboard via RS485/232
- Provide remote monitoring Control Center software
- Built-in web server for web browser viewing and playback
- Support Network Time Protocol for time synchronization
- Schedule, event, thumbnail, date/time, log, text, smart search available from Control Center software
- Support IPFR (Intelligent power failure recovery)
- Mobile Viewer supported (iPhone, Black Berry, Android platform)
- HD-SDI video Input Standard SMPTE 292M applied
- FCC, CE, MIC, RoHS

Specifications	
Model Number	HVRM-HD-1600M
Operating System	Embedded Linux
Video Input (BNC, 1Vp-p)	16
Video Output	1 HDMI, 1 VGA
Loop Out	N/A
Live Displays	1, 4, 9, 16
Playback Displays	1, 4, 9, 16
Video Compression	H.264, MJPEG
Live Display Speed	480 fps
Record Resolution	1080P, 720P
Record Speed	120fps at 1080P, 240fps at 720P
Alarm In/Out (Relay)	16 Input / 4 output
System Control	Key Buttons, Remote client, IR Remote, USB Mouse, HKB-400 Keyboard controller
System Control SW	Control Center, Web Browser
PTZ Control	RS485
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 Grid
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/10 users)
Interface	1 RS-232C, 2RS-485, 1 Ethernet, 2 USB
Storage	4 Internal HDD, 1 eSATA, Giga Ethernet for HVRM-04
Maximum Storage	12TB
Storage Extension	eSATA
Back Up	USB, DVDRW, Network, eSATA,
Network	LAN, WAN(xDSL), DHCP, ARP, ICMP, PPPoE, WESP, UDP, TCP/IP, SMTP, FTP
Remote Client	Control Center Standard
Mobil Webpage	iPhone, Black Berry, Android
Power	Input: 100-230VAC, 50/60Hz

Specifications	
Power Consumption	Max 75W, Average 50W
Operation Temperature	5°C ~ +40°C (41°F ~ 104°F)
Storage Temperature	-25°C~ +70°C (-13°F ~ 158°F)
Operation Humidity	85%RH Below
Storage Humidity	95%RH Below
Dimension (inch)	17.5(W)x17.4(D)x3.46(H)
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