



# HVRM-HD400H



## FEATURES

### 4 CHANNEL HD-SDI DIGITAL VIDEO RECORDER

- 4 channel HD-SDI stand-alone DVR with H.264 and JPEG dual codec
- 4 channel Max. 60 fps recording with 1080P, 120 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 4 channel live monitoring and playback (1/4 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-HD400H
Operating System	Embedded Linux
Video Input (BNC, 1Vp-p)	4
Video Output	1 HDMI, 1 VGA
Loop Out	N/A
Live Displays	1, 4
Playback Displays	1, 4
Video Compression	H.264, MJPEG
Live Display Speed	120 fps
Record Resolution	1080P, 720P
Record Speed	60fps at 1080P, 120fps at 720P
Alarm In/Out (Relay)	4 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/RS232
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	44×30 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, 2 RS-485, 1 Ethernet, 2 USB
Storage	4 Internal HDD, 1 eSATA
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)	17.5in(W)x15.2in(D)x3.5(H)
Operation Temperature	5°C ~ +40°C (41°F ~ 104°F)
Storage Temperature	-25°C~ +70°C (-13°F ~ 158°F)