



## PI-HRA081A Network Video Recorder

### Key Features:

- Support 4K video real-time.
- Support H.265+/H.265/H.264 streams.
- Embedded Linux operating system.
- Support video playback, remote monitoring, and backup.
- Single Ethernet Port with NIC Type 10M/100M Self adaptive.
- Support 1 SATA for HDD, support upto 10TB
- Support Smart Analysis.

#### GENERAL

Network Video Input	8-CH (Expandable upto 16-CH*)
Operating System	Embedded Linux
Network Access Bandwidth	80Mbps
Video Compression	H.265+/H.265/H.264
Video Output	1 CH VGA output (1920×1080, 1280×1024@50/60Hz) 1 CH HDMI output (3840x2160, 1920×1080, 1280×1024, 1440x990, 1024x768 @50/60Hz)
Video Preview Mode	8-CH & 16-CH*
Video Bit Rate	16Kbps-8Mbps
Video Resolution	8MP/5MP/3MP/1080P/720P/D1/VGA/CIF/QCIF
Preview Capability	8×8MP, 16x5MP@25/30fps* (Mainstream), 8xD1, 16xD1@25/30fps* (Sub Stream)
Audio	1 Output
Image Display	1/4/8/9/16 image displays
Snapshot Mode	Support timing snapshot, manual snapshot, JPEG format
Motion Detection	Support 396(22*18) surveyed area can be set in every screen and multi-level sensitivity adjustable
Human Detection	Support Human detection on all channels (IPC Support Required)
Area Intrusion Detection	Support Intrusion detection on all channels (IPC Support Required)
Line Crossing Detection	Support Line Crossing detection on all channels (IPC Support Required)
Privacy Mask	Support 4 zones IPC Support Required)

#### AUDIO

Audio compression	G.711a
Audio output	1Ch, 3.5mm Jack

#### VIDEO RECORDING AND PLAYBACK

Video Frame Rate	1-30fps
Record Mode	Manual/Schedule/Motion Detection/ Intelligent Analysis Alarm
Playback Ability	Support 16/8CH
Playback Mode	Instant playback, Local video, local image, External file playback
Record Search	Time, calendar, channel search, event search, (regular video, motion detection video, alarm video)
Video Playback	Start, stop, normal play, back play, forward 30 seconds, backward 30 seconds, fast play (1-256X), slow play(1-1/32X), frame play, display the hidden progress bar, backup, full screen, roller amplification time bar precise playback

### STORAGE AND BACKUP

Storage Interface	1 SATA
HDD Capacity	Single (Max. 10TB)
Disk Grouping	NA
Disk Quota	NA
Backup Location	Local, Network
Backup Method	USB Device, network backup

### NETWORK

Network Protocol	TCP/IP, IPv4, HTTP, PPPoE, DHCP, DNS, 3G/4G, Wi-Fi, Google drive/Dropbox Storage(1CH), DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, FTP, P2P
Interface Protocol	ONVIF, RTSP
Protocol port	ONVIF/RTSP/HTTP
Management Software	Panasonic VMS
Mobile Surveillance	Panasonic PHS for iOS, Android
Web Browser Support*	IE, Chrome, MS Edge, Firefox, Safari
Event Actions	Send email, audible warning (buzzer), alarm on monitor, record, snapshot, preview, PTZ linkage
User Management	Users add, delete, modify, permission management, Support dual password authentication, Auxiliary users (secondary password protection)
Security Mode	Authorized username and password, HTTPS with password, RTSP Validation, IP Filter
Manage IPC	Modify IPC parameters

### EXT INTERFACE

Network Interface	1 X RJ45 10M/100M adaptive Ethernet port
USB Interface	3 USB2.0*

### GENERAL

Power Supply	DC12V 2Amp
Power Consumption	≤10W (Without HDD)
Operation Temperature/ Humidity	-10°C ~ 60°C/10 % -90 %
Dimension(mm)	Product 229x250x45mm
Weight/PCS(g)	Product 770g

### CERTIFICATES

Available Certificates	CE, FCC, IS:13252 (Part 1): 2010, BIS
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\*Term and conditions apply.

Note: Product design specifications and colors are subject to change without notice to improve Reliability, Function or Design or otherwise. Errors and omissions excepted. Images displayed here are for illustration purposes only, actual product may vary.