

Product Features

- 720 global ips recording with 24 cameras.
- Record all cameras at 30 ips per camera (option to record at lower ips).
- 3 year advance parts warranty.
- Dedicated Internal 250GB OS drive.
- Data stored on dedicated internal hard drives (1TB included).
- Up to 7 storage drives, up to 14 TB (irtr7r model)
- RAID levels 1, 5, or 6. (irtr4r, irtr7r models)
- View IP and analog camera's together, and configure customized views and layouts.
- Playback: quick preview, search by time, date and alarm/event.
- Remote access via LAN/VLAN/WAN/Internet.
- Programmable alarms and recording modes.
- Intelligent, real-time motion detection.
- Front-end USB connection and CD/DVD-RW for quick data removal.
- Remote software can view multiple HVR's & DVR's at the same time on one monitor.
- Email video and pictures on alarm/motion.
- Stream live video to remote client for alarm verification and remote video recording.
- Integrate with drawings for visually assisted camera selection, (EX. building floor plans, maps.)
- Redundant/Hot Swap Power Supply is standard on the irtr7r and optional on irtr4 and irtr4r.
- Strong 4U steel chassis.



Product Description

The ionitRT-HVR continues to expand the limits of digital video recording - delivering true real-time performance in a hybrid solution. Managing up to 24 cameras. As with all Ionit recorders, the ionitRT (HVR) is designed to record continuously, 24/7, providing users the piece of mind of knowing that everything is recorded.

The ionitRT-HVR will record up to 24 cameras directly onto hot swappable hard-disks, with options to use advanced RAID (1, 5, and 6) configurations. Recording up to 16 analog and up to 8 IP for a total of 24 cameras. Ionit's powerful compression provides **exceptional** storage on this hybrid solution.

The ionitRT-HVR offers a user friendly, easy-to-operate interface, and the system begins recording immediately upon the connection of AC power to the recorder. Every Ionit recorder features a built-in video motion detector with up to 4 individual zones for every connected camera. This feature allows the recorder to mark the video for ease of retrieval, increase frame rates of the alarmed camera, as well as transmit live video to a remote operator for video verification of an alarm.

Users continue to view live and recorded video locally and/or remotely without interrupting the recording process. Multiple users may simultaneously connect with any recorder so that each can search, retrieve and view both live and recorded video by time, date, alarm, or video motion detection.

Additionally, the ionitRT-HVR will send and receive signals to an I/O device and communicate with the industry's leading PTZ cameras for local and remote control of pan/tilt/zoom cameras via the Ionit software's virtual joystick and control panel.

All pricing and specifications are subject to change without notice.

Hardware:

4U 19" Rack (rails optional)
3 Year Advance Parts Warranty
Intel main board & Quad Core Processor
250GB HDD for OS
1TB HDD included for video storage (max.14 TB)
4 in 3 swappable drive bays. The irtr7r has an additional 3 in 2 carrier.
Ram (minimum): 2GB
Raid: irtr4r and irtr7r come standard with the ability to do RAID 1, 5, 6, 10.
CD/DVD-RW
256MB DVI TV-Out Video graphic card, TV encoder, S-Video, TV-Out, DVI-I connector for analog/digital display
Dual redundant hot swap 400W power supply is optional on all Ionit rack mount units
Input voltage 100-240 VAC, 50-60 Hz, voltage auto sensing
Video out for active control of GUI: SVGA, DVI
Integrated 1GB LAN
Video Inputs: BNC NTSC/PAL: 4, 8, 12, 16
Alarm Inputs/Outputs: 32 (optional)
Audio Recording: up to 16; 1:1 video to audio
PTZ RS 232-485 signal (optional)

Software:

Ionit Pro+ 8.1 software or higher
Windows XP® Pro OS SP3
E-Trust Antivirus/ PC Angel Recovery Software

Mechanical:

BNC:	Video inputs (4, 8, 12, 16)
IP	Network addressable TCP/IP
6-Pin:	MiniDin PS/2 Mouse/Keyboard
9-Pin:	COM1
15-Pin:	SVGA monitor
25-Pin:	Printer Port
RJ-45:	Network (TCP/IP, LAN/WAN)
USB Ports:	Total: 6 (2 front; 4 rear)
Operating Temp:	32°F to 122°F (0°C to 50°C)
Storage Temp:	-4°F to 152°F (-20°C to 70°C)
Dimensions	19"W x 17.5"L x 7"H
Unit Weight:	55 lbs. (shipping weight w/1HDD)

Minimum Remote PC Requirements*

CPU P4:	1.6GHz
RAM:	512MB
HDD Space:	5GB
OS:	Windows XP™
Acceleration:	DirectX 8.0
Monitor:	17" (color)
Resolution:	1024x768
Color:	True color (32 bit)
VGA:	128MB Video RAM

Recording/Networking Specs:

Resolution: 2CIF, 4CIF & D1 (megapixel on IP)
NTSC or PAL
Average Data rate per image: 1-3 kbps at 2CIF**
Average image size: 20kpbs-3kpbs
Frame rate: 30 ips/camera
Global record rate: 720 ips
Minimum connection speed: 56kbps

Product Codes:

<u>irtr4</u>	<u>irtr4r</u>	<u>irtr7r</u>
irtr4-4	irtr4r-4	irtr7r-4
irtr4-8	irtr4r-8	irtr7r-8
irtr4-12	irtr4r-12	irtr7r-12
irtr4-16	irtr4r-16	irtr7r-16

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*Minimum Remote specifications are the minimum that is needed to see video remotely. Better equipped systems will produce better results. On slower performing remote systems you may not be able to utilize all features.

**Data rate per camera at factory settings. Average, global ips based on 16 cameras at factory settings recording at 15 ips. Excessive motion, such as PTZ cameras set to auto-pan, will produce storage and transfer rates below factory specification.

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