

HR-NR3000-3U and 2U Series Recorders

MatriVideo Network Video Recorders

A high performance enterprise-class network solution for distributed architecture

Features

- ◆ Synchronized audio/video recording and playback
- ◆ Stable and secure application on Linux OS
- ◆ Support various video compression formats of IP cameras (H.264, MPEG-4, and MJPEG)
- ◆ Support various image resolutions from CIF/ D1 to multiple Megapixels
- ◆ Automatic time synchronization between all units in MatriVideo™ (NTP protocol)
- ◆ Variant recording modes - continuous, motion detected, alarm, Intelligent Video detected, scheduled, manual and SDK API
- ◆ SDK API ready for integration with POS, Access Control and Building Automation systems
- ◆ Pre-alarm and post-alarm video recording
- ◆ Quadruple operations for camera live viewing, recording, playback and remote streaming
- ◆ Comprehensive graphical illustration for quick search of recorded video
- ◆ Playback by date, time, camera and alarm instance
- ◆ Dual watchdog for guaranteed high availability
- ◆ Remote viewing, access, and control via TCP/IP (LAN/WAN/ Internet)
- ◆ Long term storage capacity from 4 to 8 HDD bays
- ◆ Support Internal RAID-5 for video data protection (optional)
- ◆ Dual power supplies hardware design (3U Series optional)

MatriVideo™ NVRs are designed for the dynamic needs of the emergent digital video surveillance market. With high image resolution, seamlessly integrated mass storage, and alarm recording, MatriVideo™ NVRs deliver flexible and powerful performance to security professionals for distributed enterprise architectures and centralized management applications.

MatriVideo™ NVRs are a complete network based video recording solution which supports various video compression formats of IP cameras (H.264, MPEG-4, and MJPEG), and image resolutions, from CIF/ D1, VGA, to multiple megapixels. Integrating with megapixel IP cameras, MatriVideo provides a breakthrough platform to view high resolution video from your surveillance system. Simply plug into the network infrastructure and MatriVideo™ NVRs can display the video image from any IP camera source through the Ethernet. The IP cameras can be installed without cumbersome cabling, meaning that setting up a new IP-based security system has never been easier or more cost effective.

Based on the embedded Linux OS, MatriVideo™ NVR On_Chip technology, combined with dual power supplies and RAID-5 enhancement, provides customers a stable and secure system. The embedded Linux OS increases overall system availability by reducing system downtime caused by power supply and hard drive failure. It has the capability to keep a complete six month audit trail database of user activities.

MatriVideo™ NVRs allow different recording settings - continuous, motion detected, event triggered, and scheduled recording. This increases the data storage utilization giving more space to store video and saving money.

MatriVideo™ NVRs provide the most intelligent and comprehensive video search tools. Users can retrieve the desired video images with a few simple clicks. Its graphical display illustrates the recorded video history, yet with quick indicators for alarm instances (video loss, motion detection, real-time video analytics, sensor or digital inputs, even POS and Access Control System events), and manual recording instances (special events triggered by security personnel onsite).



Specifications

	HR-NR3816, 3832-3U	HR-NR3816, 3832-2U
Function	NVR	
Operating System	Embedded Linux	
Video Standard	NTSC / PAL	
Dual Watchdog	Yes	
Video Input	16, 32 Channels	16, 32 Channels
Audio Input	16, 32 Channels	16, 32 Channels
Supported Resolution	4CIF, CIF, VGA, 1.3M, 2M, 3M, 5M, 8M	
Supported Format	H.264 / MPEG4 / MJPEG	
Max. Frame Rate**	30 fps (NTSC) / 25 fps (PAL)	
Recording Modes	Continuous, Scheduled, Motion Detected, Intelligent Video Detected, Event Triggered, Manual, API	
Pre/Post Alarm Recording	1 ~ 60 seconds	
Internal Storage	Up to 8 Swappable HDDs	Up to 4 fixed HDDs
Internal RAID-5	Optional	n/a
External Storage	Archive Server / DAS (Optional)	
Searching Method	Date / Time / Camera / Alarm List / Smart Search	
Monitoring Environment	MatriVideo Command Center, MatriVideo Command Center Lite, Command Center One, MatriVideo nCCTV	
Serial Port	2 x RS-232	
Keyboard/ Mouse	PS/2 Style	
Ethernet	2 x RJ-45, 10/100/1000Mbps	
USB	5 x USB 2.0 / USB 1.1 Ports	2 x USB 2.0 / USB 1.1 Ports
VGA Output	15 Pin Female DSUB	
I/O Controls	Maximum 128 Inputs / 64 Outputs using Remote I/O Modules (Optional)	
Optional Remote I/O Module	ID-IO2000-1600 (16 DI), ID-IO2000-0008 (8 DO), ID-IO2000-0808 (8 DI / 8DO) C232-485i (RS232/485 converter)	
Video Servers, IP Cameras	ACTi, Arecont Vision, AXIS, D-Link, Messoa, Hunt, Panasonic, PELCO, SANYO, SONY, Instek Digital, Vivotek	
ACS	Cardax, Heart, Infogenesis	
Electric Power Source	AC 100 ~ 230V	AC 100 ~ 240V
Dual Power Supplies	Optional	n/a
Power Output	400 W	
Operating Temperature	0 ~ 40°C	
Humidity	Maximum 65%, non-condensing	
Dimension (cm)	57.9 (L) x 43.7 (W) x 13.2 (H) (without box) 77 (L) x 59 (W) x 29.5 (H) (with box)	44.5 (L) x 40.2 (W) x 8.9 (H) (without box) 57.2 (L) x 52.5 (W) X 23.8 (H) (with box)
Weight	14.3 kg without HDD (without box) 19.1 kg without HDD (with box)	8 kg without HDD (without box) 11.8 kg without HDD (with box)

* Contact Instek Digital for the IP device compatibility. The actual video display performance may vary according to type of camera(s) and lighting condition.

** Product specification and availability are subject to change without notice.

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