

## HR-NR5000-3U Series

### MatriVideo Network Video Recorders (NVRs)

A high performance enterprise-class network based solution for distributed architecture

#### Features

- ◆ Durable embedded NVR\_On\_Chip hardware design
- ◆ Stable and secure application on Linux OS
- ◆ High performance hardware H.264 (MPEG-4 Part 10) video compression
- ◆ Synchronized audio/video recording and playback
- ◆ Automatic time synchronization between all units in MatriVideo™ (NTP protocol)
- ◆ Variant recording modes - continuous, motion detected, alarm, scheduled, and manual recording
- ◆ SDK API ready for integration with POS, Access Control and Building Automation systems
- ◆ Quadruple operations for camera live viewing, recording, playback and remote streaming
- ◆ Alarm history and user activity log for six months
- ◆ Equipped with up to 12 Internal HDDs for 36 TB storage capacity
- ◆ Comprehensive graphical illustration for quick search of recorded video
- ◆ Playback by date, time, camera and alarm instance
- ◆ Dual watchdog for guaranteed high availability
- ◆ PTZ control with optional remote I/O module
- ◆ Supports RAID-5 and RAID-6 for video data protection
- ◆ Remote viewing, access, and control via TCP/IP (LAN/WAN/Internet)
- ◆ Digital signature with watermark protection

The HR-NR5000-3U series 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 and RAID-6 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).



# MATRIVIDEO™

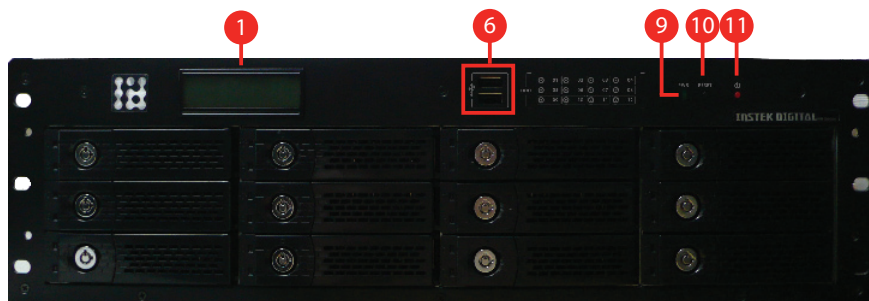
A complete system to provide high resolution, long term digital video storage and IP based CCTV solution on a scalable and reliable platform

MatriVideo™ is a complete solution for digital video surveillance. It is a platform that incorporates the legacy analog CCTV system and new IP-based digital surveillance system with a hybrid configuration, distributed enterprise architecture and centralized management.

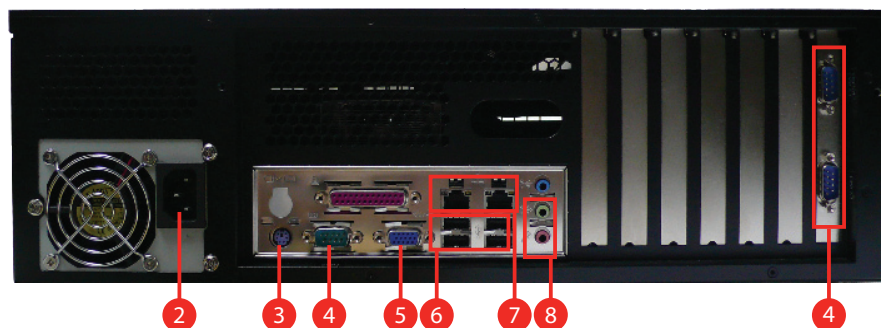
MatriVideo™ is an open platform that adopts the latest IT technology yet provides easy installation and configuration for security professionals. It is designed with flexibility and scalability for enterprise video management.

MatriVideo™ answers the need for larger storage capacity, networkable components, smarter image searching and playback, high image resolution and easier camera relocation. It provides a total solution that meets the emerging and diverse demands of the security industry.

## Front Panel



## Rear Panel



- |                               |                               |
|-------------------------------|-------------------------------|
| 1 LCD Display                 | 7 Ethernet Ports              |
| 2 Power Socket                | 8 Speaker Out / Audio Line In |
| 3 PS/2 Connector for Keyboard | 9 Power LED                   |
| 4 COM Ports                   | 10 Reset Button               |
| 5 VGA Port                    | 11 Power Button               |
| 6 USB Ports                   |                               |



# Specifications

Model	HR-NR5416-3U / HR-NR5432-3U / HR-NR5448-3U / HR-NR5464-3U
Function	NVR
Operating System	Embedded Linux
Video Standard	NTSC / PAL
Dual Watchdog	Yes
Video Input	16 / 32 / 48 / 64 Channels
Audio Input	16 / 32 / 48 / 64 Channels
Supported Resolution	All resolutions supported
Supported Format	H.264 / MPEG4 / MJPEG
Max. Frame Rate**	30 fps (NTSC) / 25 fps (PAL)
Recording Modes	Continuous / Scheduled / Motion Detection / Intelligent Video Detection / Event Trigger / Manual / API
Pre / Post Alarm Recording	1 ~ 60 seconds
Internal Storage	Up to 12 Swappable HDD supporting max. 36TB
Internal RAID-5 and RAID-6	Optional
External Storage	Archive Server / IP SAN / SCSI / DAS
Searching Method	Date / Time / Camera / Alarm List
Monitoring Environment	MatriVideo Command Center, MatriVideo Command Center Lite, MatriVideo nCCTV
Speaker Out	1
Audio Input In	1
Serial Port	2 x RS232 / 1 x RS485
Keyboard / Mouse	PS/2 Style
Ethernet	2 x RJ-45 / 10/100/1000Mbps
USB	6 x USB 2.0 Ports
VGA Output	15 Pin Female DSUB
Hardware Accessories	1 x Power Cable
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 / ADT / Appro / Arecont Vision / AXIS / CNB Technology / D-Link / D-Max / Dynacolor / Hikvision / Hi-Sharp / Hitron / Hunt / Instek Digital / ITX / IQVision / Messo / Mikami / Panasonic / PELCO / Samsung / SANYO / Sony / Vivotek
ACS	Cardax, Heart, Infogenesis
Electric Power Source	AC 100 ~ 240V
Dual Power Supplies	Optional
Power Output	400 W
Operating Temperature	0 ~ 40°C
Humidity	Maximum 65%, non-condensing
Dimension (cm)	59.6 (L) x 48.5 (W) x 13.2 (H) (without box)
Weight	16 kg without HDD (without box)

\* 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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