

a cost-effective and compact solution for multi-site locations

#### Features

- Compact size with high performance
- Distributed architecture with centralized management
- High network throughput
- Low Power consumption with low operating temperature
- Easy-to-use software for local configuration, live video view and playback
- Stable and secure application - Embedded Linux OS
- Support various video compression formats of IP-cameras (H.264, MPEG-4, and MJPEG)
- Real time video recording
- Synchronized audio/ video recording and playback
- Equipped with 3 internal hard disk trays
- Dual watchdog for guaranteed high system availability
- Remote viewing, access, and control via TCP/IP

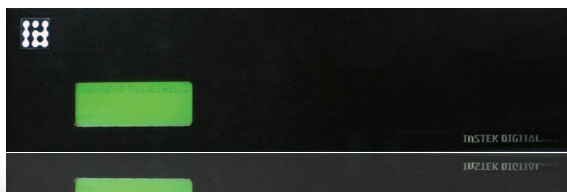
MatriVideo™ NVR 2C Series is a network-based video recording solution designed for the distinctive needs of distributed small size installations with centralized management. With support for either 4 or 9 channels of IP cameras, MatriVideo™ 2C's compact size is ideal for installations with limited space availability.

The MatriVideo™ 2C NVR supports various IP video compression formats (H.264, MPEG-4, and MJPEG) from different manufacturers. The IP cameras can be set up anywhere on the network without the need for cumbersome cabling. The end result is an innovative IP-based security system that has never been easier to use or more cost effective to purchase.

MatriVideo™ embedded Linux OS provides a stable and secure system platform. The NVR increases the overall system availability by reducing down time caused by power supply and hard drive failures. The open system architecture allows MatriVideo™ to selfintegrate with various third party solutions, such as digital cameras, POS, access control, fire alarm, and burglar alarm systems. Additionally, with the intelligent and comprehensive video search functionality, users can always retrieve their desired video feeds in almost no time.

HR-NR3800-2C Series is the perfect solution for multi site restaurants, convenience stores, gasoline stations, border patrol, public transportation terminals and any multi building site management locations. MatriVideo™ 2C NVRs provide scalability from small site installations to enterprise level installations, from distributed installations to centralized management, with very low bandwidth requirements. Bundled with the MatriVideo™ 2C NVR is MatriVideo™ Command Center One (MatriVideo™ CCOOne), a free software for single NVR management. MatriVideo™ Command Center One provides the functionality to view live video & perform playback, system configuration setup, and alarm management. Through its user-friendly graphical user interface, even the nontechnical users can operate the application software with comfort and ease. MatriVideo™ CCOOne can easily be installed on an on-site computer, remote office desktop, or an executive laptop, with a simple TCP/ IP connection.

**MatriVideo™CCOOne is Simple, Easy and Intuitive.**



#### 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.

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## Specifications

|                              |  |
|------------------------------|--|
| Model                        | HR-NR3804-2C / HR-NR3809-2C / HR-NR3816-2C   |
| Function                     | Network video recorder   |
| Operating system             | Embedded Linux   |
| Image control                | Contrast / Brightness / Saturation / Hue   |
| Dual watchdog                | Yes  |
| Video input                  | 4 / 9 / 16 channels  |
| Audio input                  | 4 / 9 / 16 channels  |
| Supported resolution         | 4CIF / CIF / VGA / 1.3M / 2M / 3M / 5M / 8M  |
| Supported format             | MJPEG / MPEG4 / H.264  |
| 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 3 HDDs   |
| Internal RAID5 and RAID6     | -  |
| External storage             | Archive Server / IP SAN  |
| Searching method             | Date / Time / Camera / Alarm list  |
| Monitoring environment       | MatriVideo™ Command Center, MatriVideo™ Command Center Lite, MatriVideo™ nCCTV   |
| Speaker out                  | 1  |
| Audio line in                | 1  |
| Serial port                  | 1 x RS-232   |
| Keyboard / mouse             | PS/2 and USB   |
| Ethernet                     | 1 x RJ-45, 10/100/1000Mbps   |
| USB                          | 4 x USB2.0   |
| VGA output                   | 15 pin female D-SUB  |
| I/O controls                 | Through ethernet   |
| 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)   |
| Hardware accessories         | 1 x Power cable  |
| Video servers and IP-cameras | ACTi, Appro, Arecont Vision, Arlotto, AXIS, Basler, Brickcom, CNB Technology, Hikvision, Hi-Sharp, Hitron, Hunt, Instek Digital, ITX, IOinVision, MatriCam, Messoa, Mobotix , Pixord, Pelco, Samsung, SANYO, SONY, Vivotek |
| ACS                          | Cardax, CEM, Tyco  |
| Electric power source        | AC 100 ~ 240V  |
| Dual power supplies          | -  |
| Power output                 | 300W   |
| Operating temperature        | 0 ~ 40°C   |
| Humidity                     | Max. 65%, non-condensing   |
| Dimension (mm)               | 380(L) x 340(W) x 88(H) mm (w/o box)   |
| Weight (kg)                  | 6.2 Kg (w/o box)   |

a) The actual video display performance may vary according to type of camera(s) and lighting condition.

b) Product specifications and availability are subject to change without notice.

c) MatriVideo is a registered trademark of Instek Digital Co., Ltd. All other trademarks are property of their respective owners.

### Front View



### Rear View

