

## HR-VS5000-1U

### MatriVideo Video Servers

#### A Compact Enterprise-Class Multichannel Video Server for Mission Critical Installations

#### Features

- ◆ Compact size, easy to rackmount
- ◆ H.264 real-time video compression
- ◆ TCP/IP network transmission
- ◆ Viewing and playback of video on MatriVideo Command Center
- ◆ Remote PTZ control
- ◆ Embedded Linux OS
- ◆ Two-way audio supported
- ◆ Motion detection supported
- ◆ Variable bitrate
- ◆ Digital signature with watermark protection

Video servers provide a reliable recording failover solution for analog cameras without the need to change any cabling. The HR-VS5000-1U is an eight or sixteen channel digital video server used to seamlessly convert any physically connected analog cameras or speed domes into digital IP based cameras. Conversion to a digital based system will dramatically reduce installation and cabling efforts. By using advanced hardware H.264 (MPEG-4 Part 10) compression technology, the encoder has an added benefit of reducing data storage needs. The server also supports real-time video and two way audio transmission.

HR-VS5000-1U video servers adopt an embedded Linux operation system delivering a more reliable system than a Windows-based system. Firmware is burned into the FLASH making the system even more reliable. With the advantage of TCP/IP, the video server can be easily relocated according to security needs. Installation and configuration of cameras using MatriVideo video servers is even easier.

The server also supports real-time video and two way audio transmission.

MatriVideo video servers are seamlessly integrated with MatriVideo NVRs, which provide full surveillance recording functions. MatriVideo NVRs are designed as the media gateway for video servers to guarantee recording quality.



# 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.

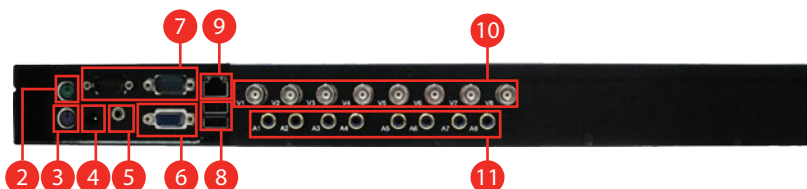
MatriVideo™ is an open platform that adopts the latest IT technology yet provides easy installation and configuration for security professionals. It is designed with flexibility and scalability for enterprise video management.

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.

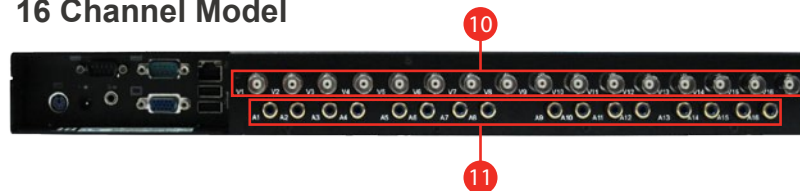
## Front Panel



## Rear Panel 8 Channel Model



## 16 Channel Model



- |                            |                                     |
|----------------------------|-------------------------------------|
| 1 LCD Display              | 7 COM Ports                         |
| 2 P/S 2 Mouse Connector    | 8 USB Ports                         |
| 3 P/S 2 Keyboard Connector | 9 Ethernet Port                     |
| 4 DC Power Port            | 10 RCA Ports for Analog Audio Input |
| 5 Speaker Out              | 11 BNC Ports for Analog Video Input |
| 6 VGA Port                 | 12 Power Switch                     |



## Specifications

|                               | HR-VS5400-1U  | HR-VS5300-1U                        |
|-------------------------------|---|-------------------------------------|
| Function                      | Video Server  |                                     |
| Operating System              | Embedded Linux  |                                     |
| Video Standard                | NTSC / PAL  |                                     |
| Image Control                 | Contrast, Brightness, Saturation, Hue   |                                     |
| Dual Watchdog                 | Yes   |                                     |
| Video Input                   | 8 / 16 channels   | 8 channels                          |
| Audio Input                   | 8 / 16 channels   | 8 channels                          |
| Video Input Level             | 1.0Vp-p, 75Ω  |                                     |
| Audio Input Level             | 2.0Vp-p, 1kΩ  |                                     |
| Max. Image Resolution         | 704 x 480 (NTSC) / 704 x 576 (PAL)  |                                     |
| Max. Frame Rate per channel** | 30 fps @ 4CIF (NTSC)  | 15 fps @ 4CIF / 30 fps @ CIF (NTSC) |
|                               | 25 fps @ 4CIF (PAL)   | 12 fps @ 4CIF / 25 fps @ CIF (PAL)  |
| Max. Frame Rate per system**  | 240 / 480 fps @ 4CIF (NTSC)   | 120 @ 4CIF / 240 fps @ CIF (NTSC)   |
|                               | 200 / 400 fps @ 4CIF (PAL)  | 96 @ 4CIF / 200 fps @ CIF (PAL)     |
| Video Compression             | Hardware H.264 (MPEG-4 Part 10)   |                                     |
| Audio Compression             | OggVorbis 16Kbps  |                                     |
| Image Size                    | 1.06KB ~ 20.0KB / frame   |                                     |
| Data Bit Rate                 | 160Kb ~ 1.8Mb / Sec   |                                     |
| Speaker Out                   | 1   |                                     |
| Audio Line In                 | 1   |                                     |
| Serial Port                   | 2 x RS-232  |                                     |
| Keyboard/ Mouse               | PS/2 Style  |                                     |
| Ethernet                      | 1 x RJ-45, 10/100/1000Mbps  |                                     |
| USB                           | 4 x USB 2.0 Ports   |                                     |
| VGA Output                    | 15 Pin Female DSUB  |                                     |
| Hardware Accessories          | 1 x Power Cable, 1 x Power Adapter  |                                     |
| Power Source                  | AC 100 ~ 230V   |                                     |
| Power Output                  | 60 W  |                                     |
| Operating Temperature         | 0 ~ 40°C  |                                     |
| Humidity                      | Maximum 65%, non-condensing   |                                     |
| Dimension (cm)                | 48.3 (L) x 34 (W) x 4.5 (H) (without box) / 54 (L) x 48.5 (W) x 19 (H) (with box) |                                     |
| Weight                        | 5 kg without HDD (without box) / 8 kg without HDD (with box)                      |                                     |

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

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