

a compact enterprise-class multi-channel video server for mission critical installations

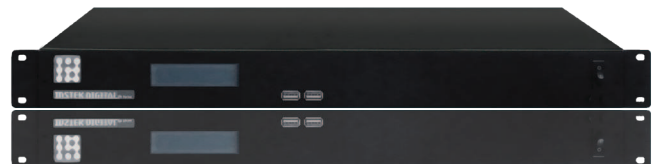
Features

- 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

MatriVideo™ video servers provide a reliable recording failover solution for analog cameras without the need to change any cabling. The MatriVideo™ 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.

MatriVideo™ 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.

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Specifications

Model	HR-VS5300-1U	HR-VS5400-1U
Function	Video server	
Operating system	Embedded Linux	
Video standard	NTSC / PAL	
Image control	Contrast / Brightness / Saturation / Hue	
Dual watchdog	Yes	
Video input	8 channels	8 / 16 channels
Audio input	8 channels	8 / 16 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*	15 fps @ 4CIF / 30 fps @ CIF (NTSC) and 12 fps @ 4CIF / 25 fps @ CIF (PAL)	30 fps @ 4CIF (NTSC) and 25 fps @ 4CIF (PAL)
Max frame rate per system*	120 @ 4CIF / 240 fps @ CIF (NTSC) and 96 @ 4CIF / 200 fps @ CIF (PAL)	240 / 480 fps @ 4CIF (NTSC) and 200 / 400 fps @ 4CIF (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	
Serial port	3 x RS-232	
Keyboard / mouse	USB	
Ethernet	2 x RJ-45, 10/100/1000Mbps	
USB	4 x USB2.0	
VGA output	15 pin female D-SUB	
Hardware accessories	1 x Power cable / 1 x power adapter	
Electric power source	AC 100 ~ 230V	
Power output	60W	
Operating temperature	0 ~ 40°C	
Humidity	Max. 65%, non-condensing	
Dimension (mm)	483(L) x 340(W) x 45(H) (w/o box)	
Weight (kg)	5.0 (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) MainVideo is a registered trademark of Instek Digital Co., Ltd. All other trademarks are property of their respective owners.

