

high performance enterprise-class hybrid DVR for mission critical security requirements

Features

- Durable embedded DVR_On_Chip hardware design
- Stable and secure application on Linux OS
- Real time recording at 30 fps per camera, 480 fps per DVR
- 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, manual and SDK API
- 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
- Comprehensive graphical illustration for quick search of recorded video
- Playback by date, time, camera and alarm instance
- Dual watchdog for guaranteed high system availability
- Support advanced PTZ control 8 aux per camera
- Supports RAID-5 and RAID-6 for video data protection
- Remote viewing, access, and control via TCP/IP (LAN/WAN/Internet)

The MatriVideo™ DR5000-1U Series video server and enterprise class hybrid video recorder uses an embedded Linux design completely independent of and more reliable than Windows-based DVRs. MatriVideo™ firmware delivers high performance and meets the critical security requirements of small and large installations.

Video recorders are now a critical factor in the success of a digital surveillance system as they provide a reliable recording failover solution for analog cameras without the need to change any cabling. The MatriVideo™ DR5000-1U is a sixteen channel network digital video recorder and can be used as an IP module to seamlessly have any connected analog cameras or speed domes become IP based cameras. By using advanced hardware H.264 (MPEG-4 Part 10) compression technology, it can dramatically reduce installation and cabling efforts. The server also supports real-time video and two way audio transmission.

The MatriVideo™ recording function is designed for the various needs of the digital video surveillance market. With high video image resolution, seamlessly integrated mass storage, and alarm recording features the DR5000-1U series is the ideal selection for users in retail, banks, and manufacturing industries. With a lower total cost of ownership, the MatriVideo™ DR5000-1U series increases its overall system availability and accessibility with its enhanced hardware design and user friendly features.

The MatriVideo™ DR5000-1U series supports a hybrid configuration which allows customers to use both analog and digital/IP-cameras of various video formats: MJPEG, MPEG-4, and H.264.



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.

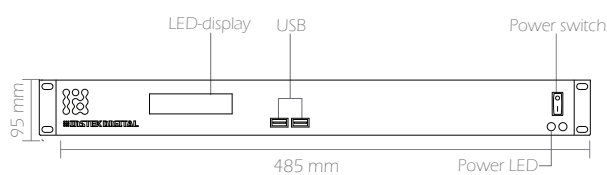
Contact:
sales@instekdigital.com

Specifications

Model	HR-DR5308-1U	HR-DR5408-1U / HR-DR5416-1U
Function	(Hybrid) Digital Video Recorder	
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 / Audio input level	1.0Vp-p, 75Ω / 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) (audio off)	30 fps (@ 4CIF (NTSC))
	12 fps @ 4CIF / 25 fps @ CIF (NTSC) (audio off)	25 fps @ 4CIF (PAL)
Video compression	Hardware H.264 (MPEG4 part 10)	
Audio compression	OggVorbis 16Kbps	
Image size	1.06KB ~ 20.0KB / frame	
Data bit rate	160Kb ~ 1.8Mb / Sec	
Supported resolution	All resolution supported	
Supported format	MJPEG / MPEG4 / H.264	
Recording modes	Continuous / Scheduled / Motion Detected / Event Triggered / Manual / API	
Pre/post alarm recording	1 ~ 60 seconds	
Internal Storage	Up to 2 HDDs	
Internal RAID	-	
External storage	Archive server / IP SAN + JBOD	
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	2 x RS-232	
Keyboard / mouse	PS/2 and USB	
Ethernet	RJ-45, 10/100/1000Mbps	
USB	4 x USB2.0	
VGA output	15 pin female D-SUB	
Hardware accessories	1 x Power cable + 1 power adapter	
I/O controls	Max. 128inputs / 64 outputs using remote I/O modules (optional)	
Optimal 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)	
Analog PTZ protocols	Dynacolor, Honeywell, Lulin, Mikami, PELCO-D, PELCO-P, TOA, Vicon	
PTZ AUX	Supports up to 8 aux per camera	
Video and IP-cameras	ACTi, Appro, Arecont Vision, Arlotto, AXIS, Basler, Brickcom, CNB Technology, Hikvision, Hi-Sharp, Hitron, Hunt, Instek Digital, ITX, IQinVision, MatriCam, Messoa, Mobotix , Pixord, Pelco, Samsung, SANYO, SONY, Vivotek	
ACS	Cardax, CEM, Tyco	
Electric power source	AC 100V ~ 240V	
Dual power supplies	-	
Power output	60W	
Operating temperature	0 ~ 40°C	
Humidity	Max. 65%, non-condensing	
Dimension	483(L) x 340(W) x 45(H) mm (w/o box)	
Weight	5.0 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

