

CamDisc HNVR 10



Hybrid video transmission with long-term recording for mixed operation of up to 10 analogue and IP cameras

- Specifications based on established CamDisc SVR series
- Prepared for integration of current and future IP cameras from a wide range of manufacturers
- Cost-optimised hardware design thanks to optional connection of analogue cameras using HYBRID Card 4
- Support of Megapixel resolution
- Low network load even when using megapixel cameras thanks to HTcompress[®]
- Complete and unlimited compatibility with HeiTel receiver equipment for classical monitoring centre applications

- Manufacturer independent transmission of IP camera video streams to central monitoring stations
- Physically and functionally decoupled network connections reduce IP camera generated network load
- Recording onto integrated removable hard disk drive
- Network-based control of significant IP camera functions including PTZ function
- Network interfaces in conformity to VdS Germany to integrate within alarm systems based on the "VdS 2465 for Video" protocol
- Product design specifically developed for security applications: fast, compact and easy to integrate

Video Transmission, Video Storage

Data Transmissior

ETHERNET FOR IP-CAMERAS

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ETHERNET FOR IP-BASED ADAPTER

OPTION: INTEGRATED ISDN ADAPTER

SERIAL FOR EXTERNAL DIAL-UP ADAPTER



INTERFACES

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AUDIO

VC-1	
Video	
Video standard	Digital: Dependent on IP camera; Analogue (only with HYBRID Card 4): CCIR/PAL, EIA/NTSC
Video compression	Device internal using HTcompress (M)JPEG differential compression with adjustable compression factor per camera
Picture formats	Depending on IP camera model: from stan- dard to megapixel; with analogue camera: Transmission: 720 x 288, 512 x 256, 256 x 128, 128 x 80 pixels and 16 Bit colour depth Recording: 720 x 288, 512 x 256 pixels and 16 Bit colour depth
Video inputs	Up to 10 IP cameras, simultaneous use of different models and resolutions; up to 8 analogue cameras using up to 2 HYBRID Card 4 (4 x composite input, 1 Vss/75 Ohm)
Audio	
General	Bidirectional audio transmission and recording
Audio compression	SPEEX Codec, 16Bit, 80-8000 Hz
Audio inputs	1 x line in (0-2 Vpp, nominal 0.775 Vpp) or Mic in (electret or electrostatic microphone)
Audio output	1 x line out (0-2 Vpp, nominal 0.775 Vpp) and 1 speaker out (1 Watt/8 Ohm)
Transmission, Recording	
General	Video and audio transmission, recording and playback at the same time; online evaluation via local and remote receiver station or offline via removable HDD
MultiCast, Multi-Unicast	Up to 6 IP- or 5 IP- and 1 dial-up connection or 4 IP- and 2 dial-up connections simultaneously
Web server	Up to 4 IP connections via PC, Smartphone, PDA browser (additional to 5 standard connections)
Video transmission of Live and recorded images	Up to real-time via IP (LAN/WLAN, Internet, DSL, GPRS, HSDPA, CDMA, UMTS, EDGE) and dial-up (PSTN/POTS, ISDN, GSM, HSCSD)
Recording speed	Up to 25 resp. 30 fps per camera (250 resp. 300 fps in total) at 720 x 576 (PAL) resp. 720 x 480 (NTSC) Pixel; generally dependant on compresssion mode, image content and Bit rate
Recording media	removable SATA drive (500 or 1000 GByte) with adaptive track management (4 or 10 tracks)
Trigger to initiate transmis- sion/recording	Dry contact, built-in motion detection, serial command and timer based calender
Recording modes	Image sequence, up to 50,000 events per camera with pre- and post alarm, continuous recording, all modes in conjunc- tion with built-in timer based calender
Recording intervall	Event recording: intervall=0-999s and duration= 1-999s separately adjustable for pre- and post alarm; continious recording: intervall=0-999s timer controlled (event optimised recording possible) (value "0"= as fast as possible)
Callback	Automatic callback to pre-programmed receiver stations with CamControl software
Remote access and evaluation	
General features	Remote access to live images, recorded images and remote setup-/maintenance and recording via receiver software

Site list and camera selection with support camera, time, date, event (contact) and graphi-cal analysis of event and permanent recordings

Search criterias

AUDIO	INTERFACE	S
Reference in	nages	Transmitter list and camera selection supported by object specific reference images
Access prote	ection	Multiple password levels and sophisticated user management
Interfaces		
LAN interfac	e	10/100 MBit/s built-in network adapter, RJ45 connector, DHCP, auto detection within LAN
LAN interfac	e for IP camera	10/100/100 MBit/s built-in network adapter, RJ45 connector, DHCP, auto detection within LAN
USB interfac	e	USB 2.0 for configuration of the device
Internal ISDI	N adapter	Optional ISDN plug-in-module (1 B-Channel), RJ45 connector
External dial	-up adapters	PSTN/POTS-, ISDN-, GSM-, HSCSD-adapters via RS-232 interface (9 pin Sub-D)
PTZ Control		Via onboard RS-232/485 (422) interface (screw/clamp)
Transparent channel/con	data trol interface	Via onboard RS-232 interface (9 pin Sub-D)
Alarm input	S	4 or 10 alarm inputs (camera related), 1 general alarm input, 1 arm/disarm and 1 tamper input (all on screw terminals)
Control out	outs	2 relays- system error and/or remote control purposes (changeover contact on screw/ clamp scrimp), max. 30V DC/1 A, 60V DC/0.3 A. 125V AC/0.5 A
General		
Operating sy design	ystem/system	Embedded Linux/dedicated hardware
Control and element	display	On-Off Switch, push button for manual camera selection and status LED
Set-up and I update	Firmware	Via local and/or remote receiver station via IP, WAN and/or LAN connections
Logging		Transmitter-side event logging of essential basic functionalities and device status
Power suppl	У	External switched power supply, 100-240 V AC, 50/60 Hz, 12 V DC
Power consu	umption	max. 5 A, 60 W
Ambient ter	nperature	+5°C +40°C (+41°F +104°F)
Housing/Enc	losure	Desktop and wall mounting: 221 x 88 x 270 mm (WxHxD), 19" mounting: 1/2 19" x 2 RU x 275 mm (WxHxD)
Weight		3.8 kg with hard disks
Protection c	lass	IP 30 according to IEC 60529, DIN EN 60529
Approvals		CE (EN 61000-6-3, EN 55022, Kl.B, EN 61000-3-2, EN 61000-3-3, EN 61000-6- 2, EN 61000-4-2, -3, -4, -5, -6, EN 50204, EN 50130-4); FIDUCIA (starting from CamControl LITE 3.70)
Options		Removable hard disks, ISDN Card, PSTN Card, dial-up adapters, PC Kit CamDisc USB, 19" Mount Kit (2 RU), CamMount Kit, HYBRID Card 4
Warranty		24 months

Your authorised dealer



CamControl MV



CamControl MV is a video wall software for the display of up to 64 IP-based live video streams from up to 64 different video transmitters with a freely definable layout on up to 4 monitors.

The simultaneous display of up to 64 IP and analogue cameras (live video streams) can be arranged in any order on one or more screens. The software can also display up to 4 virtual monitors on one actual screen.

An unlimited amount of user-specific profiles can be generated and filed. The allocation and placing of the cameras resp. camera images within the monitor is done with an layout interface and can be easily generated for specific applications by the user himself.

- Video wall software for the display of up to 64 live video streams with a freely definable layout on up to 4 monitors
- Simultaneous display of up to 64 IP and analogue cameras (live video streams)
- Up to 64 simultaneous connections to separate image transmitters
- Up to 4 virtual monitors with individual layout profiles can be displayed on several screens
- Easy creation of individual monitor layouts with up to 64 differently-sized windows
- System status and function profile are indicated within the respective camera window

- Auto-reconnect in event of connection loss/communication error
- Constant activity monitoring of the cameras displayed
- Quick-look investigation window with maximised frame refresh frequency
- Automatic or selective adjustment of the different frame refresh frequencies
- Intuitive control and operation of PTZ cameras
- Remote switching of relays via on screen buttons
- Small network load with HTcompress[®]
- Online evaluation of Site Archive sequences

🖵 Video Transmission, Video Storage

 Data Transmissior





Double clicking any camera brings it up in a larger window, where you can use PTZ and relay functions or evaluate the hard disk recordings (all where applicable)





Menue Continuous recording (archive evaluation)

Menue Event recording (archive evaluation)

Freely definable layout on up to 4 monitors

System Requirer	nents	1
Processor	Intel Pentium processor with 2.4 GHz clock speed or comparable processor	
Memory	1 GB RAM	
Operating system	 Microsoft Windows XP Professional (Service Pack or Windows Vista Microsoft .NET runtime environment, version 2.0 (will be set up during CamControl MV installation if necessary) 	
Graphics card	Graphics card with 1024 x 768 pixel resolution at 16 bit colour depth (65536 colours)	
Network card	Network card, 100 MBit/s	007
Interface	USB port for connecting dongle	TO VAN
Drive	CD-ROM drive for installation	a a training
Monitor	Monitor with specifications appropriate to the graphics card	Intel Cam
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