

## VideoGateway

# CamDisc SVR 4, CamDisc SVR 10

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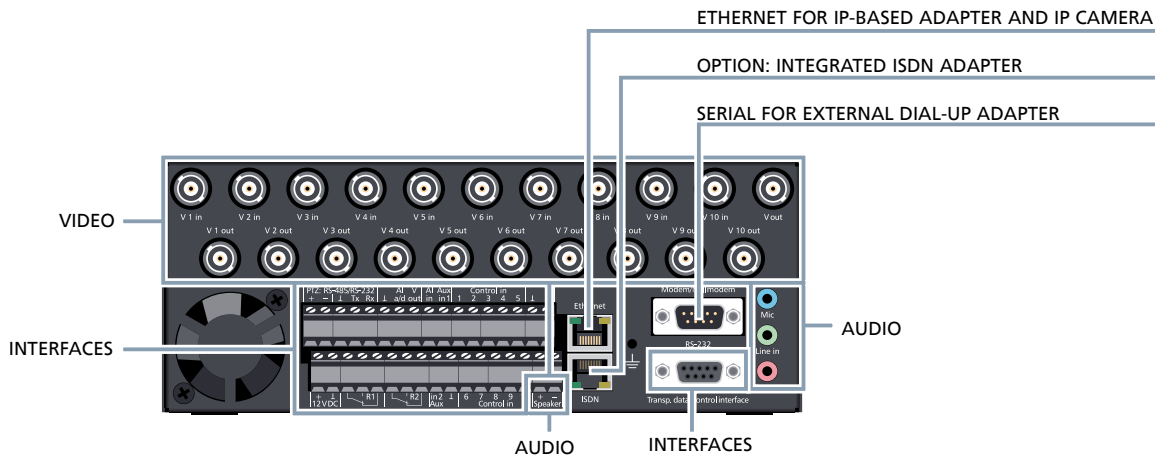


Digital video transmission system with local long-term recording for 4 or 10 analogue or IP cameras

- Long-term recording onto removable hard disk with adaptive multi-track management for schedule-controlled permanent and motion recording, or contact-triggered event recording
- s-version offers real-time video recording
- Free of charge implementation of hybrid functionality for existing transmitters via remote firmware update
- Hybrid functionality with manufacturer-neutral compatibility for analogue and IP cameras
- Individually adjustable image resolutions up to 720 x 288 pixels and megapixel resolution with IP-cameras
- Integrated Multi-Unicast server supporting multiple IP network connections and simultaneous dial-up connections
- Integrated Web server for up to 4 IP-connections, enabling video transmission and camera control on a PC/Smartphone/Handheld using standard Web browser
- HTconnect enables unrestricted, but safe access over the Internet to Firewall protected video systems (also with dynamic IP-addresses) in private nets. Additionally HTconnect controls permanently the availability of the entire system from public net over private net to video transmitters
- Camera position authentication and camera specific alarming of video loss with analogue cameras
- Up to 5 privacy zones per analogue camera, configurable for live images or live and recorded images

- Integrated email client for alarming up to two email addresses
- Precise recording of pre and post alarm images, individually adjustable to camera and event
- Event-triggered connections by alarm contact, motion detection (depending on type of IP cameras), serial command, technical alarm, and routine call
- Perfected for alarm verification and conformity with monitoring centre applications
- Integrated interfaces for Ethernet network, PTZ control, data transmission, and system integration
- Network interfaces in conformity to VdS Germany to integrate within alarm systems based on the "VdS 2465 for Video" protocol
- Data transmission via USB interface
- Extensive remote control functions to control lighting, barriers, alarms, doors, or any relay-controlled devices
- Compact design, suitable for desk, wall and 19" mounting
- Multi-criteria evaluation of recordings via IP and/or dial-up connection, or in offline mode, via PC caddy
- Live video transmission and simultaneous playback and recording (Triplex)
- Optional, bidirectional audio transmission and recording onto removable hard disk
- Optional camera-selective recording of cash register-/cash machine-/filling station-/access control-/scanner-data, time-synchronised with video recording





<b>Video</b>	
Video standard	CCIR/PAL and EIA/NTSC (analogue), dependant on IP camera (digital)
Video compression	Device internal with HCompress <sup>1</sup> (M-JPEG differential compression with adjustable compression factor per camera)
Picture formats	With IP camera dependant on model, standard to megapixel resolution; with analogue cameras: Transmission: 720x288, 512x256, 256x128, 128x80 pixels and 16 Bit colour depth, Recording: 720x288, 512x256 pixels and 16 Bit colour depth
Video inputs	4 or 10 x CVBS (BNC), 1 Vpp/75 Ohm with loop through outputs (auto-termination)
Video output	Camera switcher with manual, alarm and sequence control; 1 x CVBS (BNC), 1 Vpp/75 Ohm
Motion Detection	Selectable per camera with adjustable detection zones for alarm transmission and event-triggered recording (HDD), depending on type of IP cameras
Video signal monitoring	Video signal monitoring (sync. and picture content) for all cameras
<b>Audio (option)</b>	
General	Optional plugin-module (Audio Card) for 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)
<b>Transmission, Recording</b>	
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
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 fps respectively real-time recording (s version) in total depending on compression mode, image content and Bit rate
Recording media	removable SATA drive (500 GB, 1 TB, 2 TB) with adaptive track management (4 or 10 tracks)
Trigger to initiate transmission/recording	Dry contact, built-in motion detection <sup>1</sup> , serial command and timer based calendar
Privacy Zones <sup>1</sup>	Up to 5 privacy zones per camera; options for each camera: live or live and recorded images
Recording modes	Image sequence, up to 50,000 events per camera with pre- and post alarm, continuous recording, all modes in conjunction with built-in timer based calendar
Recording intervall	Event recording: intervall=0-999s and duration=1-999s separately adjustable for pre- and post alarm; continuous 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

<b>Remote access and evaluation</b>	
General features	Remote access to live images, recorded images and remote setup/maintenance and recording via receiver software
Search criterias	Site list and camera selection with support camera, time, date, event (contact, motion <sup>1</sup> ) and graphical analysis of event and permanent recordings
Motion Smart Search <sup>1</sup>	In offline mode considering camera, detection zones, sensitivity and date/time
Reference images	Transmitter list and camera selection supported by object specific reference images
Access protection	Multiple password levels and sophisticated user management
<b>Interfaces</b>	
LAN Interface	10/100 MBit/s built-in network adapter, RJ45 connector, DHCP, auto detection within LAN
USB Interface	USB 2.0 for configuration of device
Internal ISDN 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 data channel/control interface	Via onboard RS-232 interface (9 pin Sub-D)
Alarm inputs	4 or 10 alarm inputs (camera related), 1 general alarm input, 1 arm/disarm and 1 tamper input (all on screw terminals)
Control outputs	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
<b>General</b>	
Operating system/system design	Embedded Linux/dedicated hardware (no PC)
Control and display element	On-Off Switch, push button for manual camera selection and status LED
Set-up and Firmware update	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 supply	External switched power supply, 100-240 V AC, 50/60 Hz, 12 V DC at max. 4 A, 42 W
Power consumption (12 V DC)	CamDisc 4: 13.2 W; CamDisc 4s: 18 W CamDisc 10: 15.6 W; CamDisc 10s: 26.4 W
Ambient temperature	+5°C ... +40°C (+41°F ... +104°F)
Housing/Enclosure	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 class	IP 30 according to IEC 60529, DIN EN 60529
Approvals	CE (EN 61000-6-3, EN 55022, K1.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); BG-Prüfzert, FIDUCIA (starting from CamControl LITE 3.90)
Options	Removable hard disks, ISDN Card, PSTN Card, Audio Card, dial-up adapters, PC Kit CamDisc USB, 19" Mount Kit (2 RU), CamMount Kit
Warranty	24 months
Your authorised dealer	