

VideoGateway

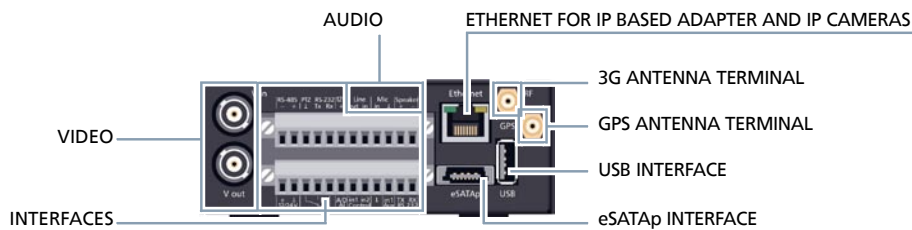
CamServer 2c



Digital video transmission system with recording for 1 analogue and 1 IP camera or 2 IP cameras

- Optional 3G/GPS kit
- Recording onto optional Compact Flash card or external hard disk with adaptive track management for schedule-controlled permanent and motion recording, or contact-triggered event recording
- Suitable for mobile and stationary applications
- Recording, transmission and display of GPS data (only with optional 3G/GPS module)
- Real-time video recording depending on storage media
- 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 for video transmission and camera remote control via PC/Smartphone/Handheld 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 camera
- Integrated e-mail client for alarming up to two email addresses
- Definition of up to 5 privacy zones¹ with the options live images or live and recorded images
- Precise recording of pre and post alarm images, individually adjustable to camera and event (with analogue camera)
- Event-triggered connections by alarm contact, motion detection (with analogue camera), serial command, technical alarm, and routine call
- Perfected for alarm verification and conformity with control centre applications
- Integrated interfaces for network, camera remote control, data transmission, and system integration (planned)
- Extensive remote control functions to control lighting, barriers, alarms, doors, or any relay-controlled devices (planned)
- Compact design, suitable for desk and wall mounting
- Multi-criteria evaluation of recordings via IP connection
- Live video transmission and simultaneous playback and recording (Triplex)
- Optional, bidirectional audio transmission and recording onto integrated storage medium (planned)





Video	
Video standard	Analogue: CCIR/PAL and EIA/NTSC, Digital: dependant on IP camera
Video compression	Device internal with H264 (M-JPEG differential compression with adjustable compression factor)
Picture formats	With IP camera dependant on model: standard to megapixel resolution; With analogue cameras: 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	1 x BNC, 1 Vpp/75 Ohm (analogue) with loop through outputs (auto-termination)
Motion Detection ¹	With adjustable detection zones for alarm transmission and event-triggered recording
Video signal monitoring ¹	Video signal monitoring (sync. and picture content)
Audio (option)	
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 electroacoustic Microphone) and 1 speaker out (1W/8 Ohm)
Audio output	1 x line out (0-2 Vpp, nominal 0.775 Vpp) (planned)
Transmission, Recording	
General	Video and audio transmission, recording and playback at the same time; online evaluation via local and remote receiver station
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 in total depending on IP connection (LAN/WLAN, Internet, DSL, GPRS, HSDPA, CDMA, UMTS, EDGE)
Recording speed	Real-time in total depending on storage media
Recording media	Options: Compact Flash card with adaptive multi track management (2 tracks) or external HDD
Trigger to initiate transmission/recording	Dry contact, built-in motion detection ¹ , serial command and timer based calendar
Privacy Zones ¹	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
Remote access and evaluation	
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 ¹) and graphical analysis of event and permanent recordings
Motion Search ¹	In online 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
Interfaces	
eSata	eSata interface for external storage based on HDD Note: The HDD option can not be used in combination with Compact Flash Card
LAN interface	10/100 MBit/s built-in network adapter, RJ45 connector, DHCP, auto detection within LAN,
3G/UMTS interface	Built-in 3G Adapter (option)
USB interfaces	Host USB and Slave USB
PTZ Control	Via onboard RS-232/485 (422) interface
Transparent data channel/control interface	GPS, POS/ATM, Transparent, Control via onboard RS-232 interface (screw clamp terminal)
Control inputs	2 alarm inputs (camera related), 1 arm/disarm and 1 tamper input (all on screw terminals)
Control outputs	1 relay- system error and/or remote control purposes (changeover contact), max. 30V DC/1 A, 60V DC/0.3 A, 125V AC/0.5 A
General	
Operating system/system design	Embedded Linux/dedicated hardware (no PC)
Display element	LED: Power on, Record, Video loss, Online
Set-up and Firmware update	Via local and/or remote receiver station via IP (LAN, Internet, DSL) and UMTS/3G
Logging	Transmitter-site event logging of essential basic functionalities and device status
Power supply	12 - 24 V DC, ~10 W
Power supply input	8 - 30 V DC
Ambient temperature	+5°C...+50°C (+41°F...+122°F)
Housing/Enclosure	Desktop and wall mounting: 116 x 44 x 137 mm (WxHxD)
Weight	1.0 kg
Protection class	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 3.90)
Options	- Compact Flash Card or - External hard disk kit - 3G/GPS module incl. antenna - Audio Card (do it yourself installation) - Power Supply (100-240V AC, 50/60 Hz) - Mounting kit for base unit and external hard disk kit
Specific options for mobile applications	- External hard disk unit with built-in shock absorption - GPS receiver
Warranty	24 months
Your authorised dealer	

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¹ only with analogue cameras
Errors and omissions excepted, technical specification and availability are subject to change without notice