

## VideoGateway

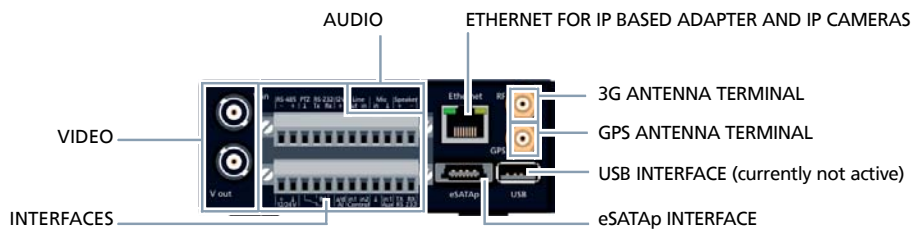
# CamServer 2c



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

- Recording, transmission and display of GPS data with serial GPS receiver or with optional 3G/GPS module
- 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
- Real-time video recording
- Hybrid functionality
- Manufacturer-neutral compatibility for analogue and IP cameras
- Image resolutions up to 720 x 288 pixels and megapixel resolution with IP-cameras
- Integrated Multi-Unicast server supporting multiple IP connections
- Integrated Web server for video transmission and camera remote control via PC/Tablet and Smartphone 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 VideoGateways
- Camera position authentication and camera specific alarming of video loss
- Integrated e-mail client for alarming up to two email addresses
- Definition of up to 5 privacy zones<sup>1</sup> with the options live images or live and recorded images
- 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 control centre applications
- Integrated interfaces for network, camera remote control, data transmission, and system integration
- Extensive remote control functions to control lighting, barriers, alarms, doors, or any relay-controlled devices
- Compact design, suitable for desk and wall mounting
- Multi-criteria evaluation of recordings
- Live video transmission and simultaneous archive evaluation and recording (Triplex)
- Optional, bidirectional audio transmission and recording onto integrated storage medium





<b>Video</b>	
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 output (auto-termination)
Motion Detection	With adjustable detection zones for alarm transmission and event-triggered recording, depending on type of IP cameras
Video signal monitoring	Video signal monitoring (sync. and picture content)
<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 electroacoustic Microphone)
Audio output	1 x line out (0-2 Vpp, nominal 0.775 Vpp) and 1 speaker out (1W/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
Multi-Unicast	Up to 6 IP-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, Internet, DSL, GPRS, HSDPA, CDMA, UMTS, EDGE)
Recording speed	Real-time, with IP cameras depending on the resolution
Recording media	Options: Compact Flash Card with adaptive multi track management (2 tracks) or external HeiTel HDD
Trigger to initiate transmission/recording	Dry contact, built-in motion detection, 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 interval	Event recording: interval=0-999s and duration=1-999s separately adjustable for pre- and post alarm; continuous recording: interval=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 online mode considering 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>	
eSATAp	eSATAp 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, USB 2.0 for device configuration
PTZ Control	Via onboard RS-232/485 (422) interface
Transparent data channel/control interface	GPS, 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
<b>General</b>	
Operating system/system design	Embedded Linux/dedicated hardware (no PC)
Display element	LED: Power on, Record, Video loss, Online Set-up and Firmware update
Logging	Via local and/or remote receiver station via IP (LAN, Internet, DSL) and UMTS/3G Transmitter-site event logging of essential basic functionalities and device status
Power supply/Power consumption	12 - 24 V DC, max.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	FCC, 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. 3G antenna - Passive GPS antenna must be purchased separately - 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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