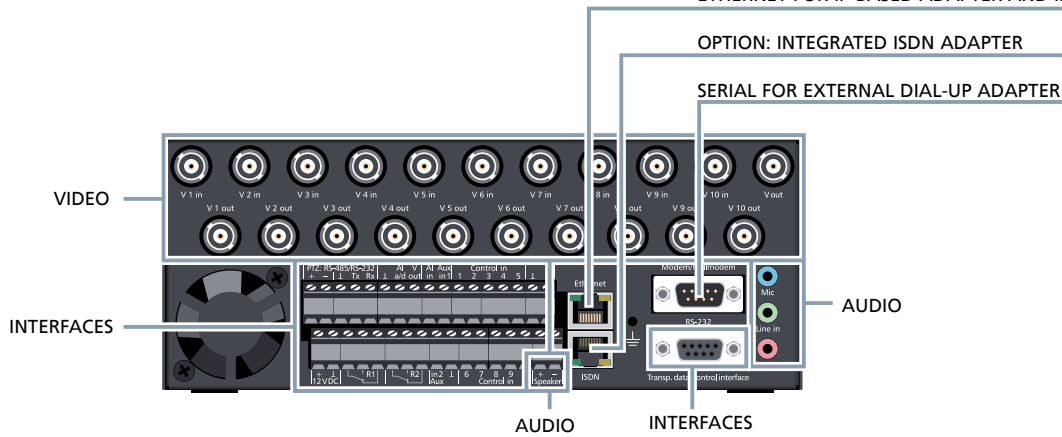# CamTel SVR 4
CamTel SVR 10

Digital video transmission system for 4 or 10 analogue or IP cameras

- 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
- Integrated email client for alarming up to two email addresses

- Up to 5 privacy zones per analogue camera for live images
- Precise recording of pre- and post alarm images, individually adjustable to camera and event
- Event-triggered connections by alarm contact, motion detection (with analogue cameras), serial command, technical alarm, and routine call
- Perfected for alarm verification and conformity with monitoring centre applications
- Full-duplex voice communication via bidirectional audio transmission
- 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

Video Transmission, Video Storage

Accessories

Data Transmission

Video Management, Control Centre Solutions

english

ETHERNET FOR IP-BASED ADAPTER AND IP CAMERAS

OPTION: INTEGRATED ISDN ADAPTER

SERIAL FOR EXTERNAL DIAL-UP ADAPTER

VIDEO

INTERFACES

AUDIO

AUDIO

INTERFACES

Video

Video standard	CCIR/PAL and EIA/NTSC (analogue), dependant on IP camera (digital)
Video compression	Device internal with HTcompress[1] (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: 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 Pixel and 16 Bit colour depth
Video inputs	4 or 10 x CVBS (BNC), 1 Vpp/75 Ohm with loop through outputs (auto-termination) (analogue); up to 10 IP cameras with multiple use of different types and resolutions
Video output	Camera switcher with manual, alarm and sequence control; 1 x CVBS (BNC), 1 Vpp/75 Ohm
Motion Detection[1]	Selectable per camera with adjustable detection zones for alarm transmission and storage of (pre-) alarm images (RAM)
Video signal monitoring[1]	Video signal monitoring (sync. and picture content) for all cameras

Audio (Option)

General	Optional plug-in module (Audio Card) for bidirectional audio transmission
Audio compression	SPEEX Codec, 16 Bit, 80-8000 Hz
Audio inputs	1 x line in (02 Vpp, nominal 0.775 Vpp) or Mic in (electret or electrostatic microphone)
Audio output	1 x line out (02 Vpp, nominal 0.775 Vpp) and 1 speaker out (1 Watt/8 Ohm)

Transmission, Recording

General	Video and audio transmission, recording of (pre-) alarm images
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 Web browser (additional to 5 standard connections)
Video transmission of live images	With up to 25 fps via IP (LAN/WLAN, Internet, DSL, GPRS, HSDPA, CDMA, UMTS, EDGE) and dial-up (PSTN/POTS, ISDN, GSM, HSCSD)
Recording media	28 MByte RAM for pre-alarm images only (1400 images)
Trigger to initiate transmission/recording	Dry contact, built-in motion detection[1] and serial commands
Privacy Zones[1]	Up to 5 privacy zones per camera; live images for each camera
Recording modes	Pre-alarm recording until connection (RAM)
Recording intervall	Adjustable between 0-99 seconds (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, pre-alarm images and remote setup/maintanance via receiver software
Reference images	Transmitter list and camera selection supported by object specific reference images
Access protection	Multiple password levels and sophisticated user management

Interfaces

LAN interface	10/100 MBit/s built-in network adapter, RJ45 connector, DHCP, auto detection within LAN
USB interface	2.0 for configuration of device
Internal ISDN adapter	optional ISDN plugin 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

General

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
Setup and software update	Via local and/or remote receiver station via IP (LAN, Internet, DSL) and dial-up connections (PSTN/POTS, ISDN, GSM, HSCSD, UMTS/3G)
Power supply	External switched power supply, 100-240V AC, 50/60 Hz, 12 V DC at max. 4 A, 42 W
Power consumption (12 V DC)	CamTel 4/10: 4.8 W
Ambient temperature	+5°C ... +55°C (+41° ... +131°F)
Housing/Enclosure	Desktop and wall mounting: 221 x 88 x 270 (WxHxD mm); 19" mounting: 1/2 19"x 2 RU x 275 mm (WxHxD)
Weight	2.9 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); BG-Prüfzert, FIDUCIA (starting from CamControl LITE 3.90)
Options	ISDN Card, PSTN Card, Audio Card, dial-up adapters, 19" Mount Kit (2 RU), CamMount Kit
Warranty	24 month

Your authorised dealer

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