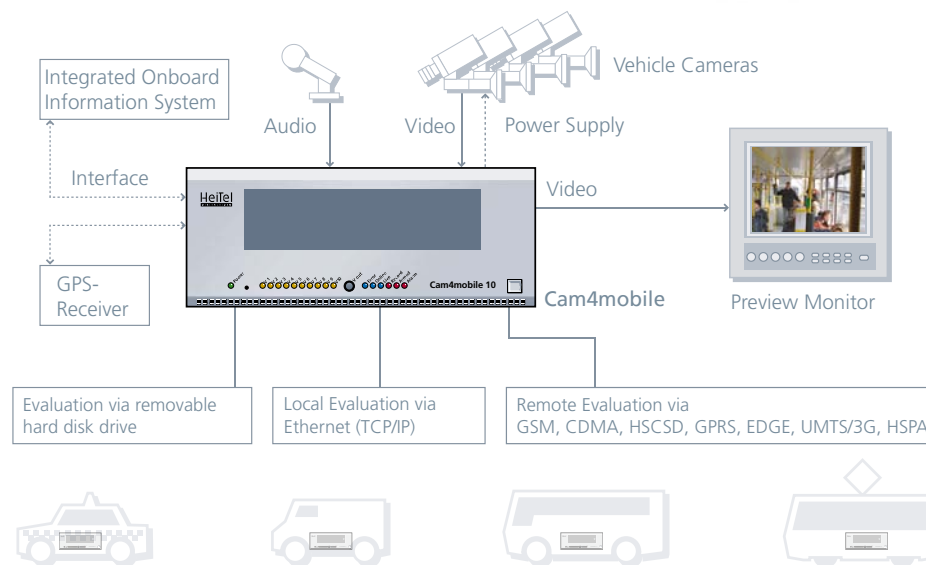


VideoGateway

Cam4mobile 4

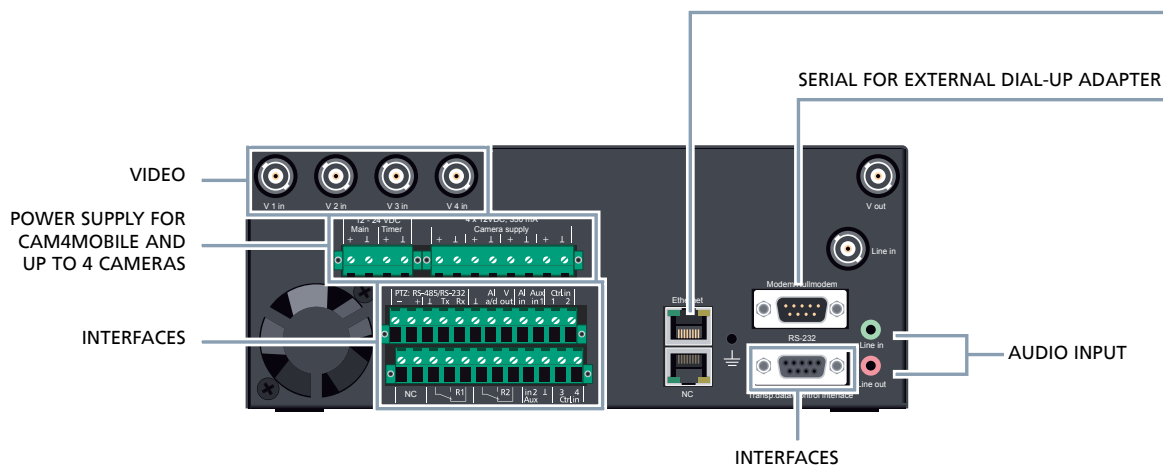


Ruggedised digital video recording and transmission system for mobile applications with 4 analogue or IP cameras

- Suitable for transport vehicles (e.g. armoured cars)
- Compatible with remote monitoring centres
- Long-term recording onto removable hard disk with adaptive multi-track management
- Image-synchronous display of IBIS data and fast, event-related data search function
- Interface for GPS receiver units for image-synchronous recording and transmission of position, direction and speed
- Display of vehicle position by means of graphic display within cartographic programmes
- Integrated Multi-Unicast server supporting multiple simultaneous network and 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 browsers
- 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
- Camera selective resolution with up to 720 x 288 pixel and megapixel resolution with IP-cameras
- Camera position authentication and camera specific alarming of video loss with analogue cameras

- 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
- Event-triggered dial-up connections by alarm contact, motion detection (depending on type of IP cameras), technical alarm, and routine call
- Data transmission via USB interface
- Manual or event-triggered connection for live video transmission from and to remote monitoring centres
- Evaluation of recordings via time/date/ text and alarm and motion searches assisted by graphical analysis
- Extensive image export functions for single images and video sequences including image authentication tool
- Up to 5 privacy zones per analogue camera, can be configured for just live or both live and recorded images
- Removable hard disk drive for offline evaluation via PC compatible USB adapter kit
- Integrated bidirectional audio transmission and recording onto removable hard disk
- Compact design, suitable for surface, flush and ceiling mounting
- 3-dimensional mounting (horizontal, vertical, sideways)
- Shock/Vibration Approval EN 61373 (EN 50155)





Video	
Video standard	CCIR/PAL and EIA/NTSC (analogue), dependant on IP camera (digital)
Video compression	Device internal with H264 (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 pixels and 16 Bit colour depth
Video inputs	Analog: 4 x CVBS (BNC), 1 Vpp/75 Ohm Digital: up to 4 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	Selectable per camera with adjustable detection zones for alarm transmission and event-triggered recording, depending on type of IP cameras
Video signal monitoring ¹	Video signal monitoring (sync. and picture content) for all cameras
Audio	
General	Integrated 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); BNC
Audio output	1 x Line out (0-2 Vpp, nominal 0.775 Vpp)
Transmission, Recording	
General	Video transmission, simultaneous recording and playback; 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
Web server	Up to 4 IP-connections via PC/Smartphone/PDA/Web-browser (additional to 5 standard connections)
Video transmission of live and recorded images	With up to 25 fps via LAN/WLAN, Internet, DSL, GPRS, HSPA, CDMA, UMTS/3G, EDGE and dial up connections (PSTN/POTS, ISDN, GSM, HSCSD)
Recording speed	Up to 25 fps in total depending on compression mode, image content and Bit rate
Recording media	Removable 2,5" drive (500 GB, 1 TB) with adaptive track management (4 tracks)
Trigger to initiate transmission/recording	Multiple dry contacts, 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"= 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 Smart Search ¹	In online/offline mode: by camera-detection zone with adjustable sensitivity and by date/time
Reference images	Transmitter list and camera selection supported by site 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	USB 2.0 for device configuration
External dial-up adapters	GSM-, GPRS-, HSCSD-adapters via RS-232 interface (9 pin Sub-D) and/or UMTS/3G, LAN/WLAN
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), IBIS according to VDV300 via optional IBIS adapter, GPS according to NMEA 0183
Control inputs	4 camera control-, 1 alarm-, 1 arming/disarming- and 2 auxilliary-inputs (on screw/clamp)
Control outputs	2 relays-system error and/or remote control purposes (changeover contact on screw/clamp), max. 30V DC/1 A, 60V DC/0,3 A, 125V AC/0,5 A
General	
Operating system	Embedded Linux/dedicated hardware (no PC)
Setup and Firmware update	Via local and/or remote receiver station via IP (LAN, Internet, DSL) and dial-up connections (PSTN/POTS, ISDN, GSM, HSCSD, UMTS/3G)
Logging	Transmitter-side event logging of essential basic functionalities and device status
Power supply input	8 to 30V DC
Power supply output	12V DC for 4 cameras, max. power consumption 350 mA per camera
Current consumption	Typical 13.2 W incl. HDD without vehicle cameras
Ambient temperature	+5°C...+50°C/+41...+122°F
Housing/Enclosure	3-dimensional mounting (horizontal, vertical, sideways: 221 x 88 x 300 mm (WxHxD))
Weight	4.3 kg with hard disks
Protection class	IP 30 according to IEC 60529, DIN EN 60529
Approvals	CE (EN 61000-6-3, EN 55022, KI.B, EN 61000-6-2, EN 61000-4-2, -3, -6, EN 50121-3-2, EN 50204)
Approvals for mobile applications	EN 50155, EN 61373, EN 50121-3-2, E-Approval 72/245/EWG incl. 2004/104 EG
Options	Removable hard disks, IBIS adapter, PC Kit CamDisc USB, dial-up adapters, CamMount Kit
Warranty	24 month
Your authorised dealer	

HerTe VideoGateway Cam4Mobile - 2011-12-20

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