The remotely programmable XOh SecurityPlus firmware extends the rich functionality of HeiTel VideoGateways. The firmware includes additional applications (IntrusionTrace) that supports human guards and ensures improved, more comprehensive and “always on” threat detection. Moreover, the XOh Firmware offers full downward compatibility with all existing HeiTel control room applications.

HLI-Interface

Thanks to the High Level Integration (HLI) ADPRO passive infrared detectors can be comfortably accessed for parameterisation and diagnostics either locally or by remote access.

Options

- 4/10 channel analogue video cards
- 3G / 4G module including GPS data
- WLAN-capability by external USB WLAN adapter
- IntrusionTrace license; outdoor perimeter detection for sterile zone monitoring (e.g. car dealerships, solar parks, power generation facilities, and warehouses); pay-as-you-grow license model with max. 4 licenses
- Passive/active GPS antenna must be purchased separately
- Mounting kit for base unit and external hard disk kit

Available Devices

- CamDisc+ E 4/10
- 4/10ch (IP) VideoGateway with removable hard disk (optional) for stationary and mobile applications
- CamDisc+ E 4MH/10MH
- 4/10ch (IP) VideoGateway with removable hard disk (optional) and internal heater for mobile applications

Approvals

- CE (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)
- BS 8418
- UVV Kassen
- EN50155 (for CamDisc EM)

Ordering Information

| CamDisc+ E 4 | 4314 |
| CamDisc+ E 10 | 4310 |
| CamDisc+ E 4MH | 4794 |
| CamDisc+ E 10MH | 4790 |

Description

Digital video transmission system with recording for 4/10 IP cameras or up to 10 analogue cameras (optional video card needed).

- Recording, transmission and display of GPS data with serial GPS receiver or with optional 3G/4G module
- Integration into existing WLAN networks by means of selected USB WLAN adapters
- Longterm recording onto removable hard disk with adaptive track management for schedule-controlled permanent and motion recording, or contact-triggered event recording
- Suitable for stationary and mobile applications
- Real-time video recording
- Hybrid functionality with manufacturer-neutral compatibility for analogue and IP cameras
- ONVIF compatible with selected IP cameras
- Optional video analytics for greater detection and visual verification are available via Xtralis Xchange
- IntrusionTrace: intrusion detection for sterile zone monitoring; approved as a primary detection system for operational alert use in sterile zone monitoring applications
- 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 with the options live images or live and recorded images
- Precise recording (exact to the second) 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
- High-Level Integration (HLI) of ADPRO PRO/PRO E Passive Infrared Detectors (PIR) via serial interface
- Extensive remote control functions to control lighting, barriers, alarms, doors, or any relay-controlled devices
- Multi-criteria evaluation of recordings
- Live video transmission and simultaneous archive evaluation and recording (Triplex)
- Bidirectional audio transmission and recording onto integrated storage medium
- Remote playback of pre-recorded audio tracks (e.g. to address intruder on premises)
- Resistance-monitored alarm inputs
- BS 8418 compliant
- Compact design, suitable for desk and wall mounting
HeiTel™ CamDisc+ E

Specifications

Video

Video standard
Analogue: CCIR/PAL and EIA/NTSC, Digital: dependent on IP camera (see HeiTel IP camera compatibility list)

Video Compression
Device internal using HTCompress® (M-JPEG differential compression with adjustable compression factor per camera) or H.264 (with selected cameras)

Picture formats
• With IP camera dependent 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
Analogue Video: Optional 4/10 x BNC, 1 Vss/75 Ohm (optional video card needed)
IP cameras: Up to 4/10 IP cameras, simultaneous use of different models and resolutions

Motion Detection
With adjustable detection zones for alarm transmission and event-triggered recording1 or depending on type of IP cameras

Video signal monitoring
Video signal monitoring (sync. and picture content)

Audio

General
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 Micro-phone)

Audio output
1 x line out (0-2 Vpp, nominal 0.775 Vpp) and 1 speaker out (1W/8 Ohm)

Transmission and Recording

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 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)

Recording speed
Up to 25 fps respectively real-time recording in total depending on compression mode, image content and Bit rate

Recording media
Removable SATA drive (1 TB, 2 TB, 4 TB) with adaptive track management (4 or 10 tracks)

Trigger to initiate transmission/recording
Dry contact, built-in motion detection1, serial command and timer based calendar

Privacy Zones1
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 calender

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

Remote Access and Evaluation

General features
Remote access to live images, recorded images and remote setup- maintenance and recording via receiver software

Search criteria
Site list and camera selection with support camera, time, date, event (contact, motion1) and graphical analysis of event and permanent recordings

Motion Smart Search1
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

Interfaces

eSATA
eSATA interface for external storage based on HDD

LAN interface
1 Gbit/s built-in network adapter, RJ45 connector, DHCP, auto detection within LAN

3G/4G Module
Optional 3G/4G module for self installation

2x USB Interface
USB 2.0 for configuration of device
USB 2.0 for WiFi-stick

HJI Interface
HJI Interface for ADPRO PRO / PRO-E detectors

PTZ Control
Via onboard RS-232/485 (422) interface (screw/clip) or onboard RS-232 interface (9 pin Sub-D)

Translucent data channel/control interface
Via onboard RS-232 interface (9 pin Sub-D)

Resistance-monitored 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

VideoGateway

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

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

Operating voltage/Power consumption
12-24V DC, max. 25W

Operating voltage range
8-30V DC

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

Weight
3.8 kg with hard disks

Protection class
IP 30 according to IEC 60529, DIN EN 60529

Warranty
24 months

Intrusion Trace, licenses
4 channels

1 only with analogue cameras

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Disc. no. 27917_03