Event CLIENT
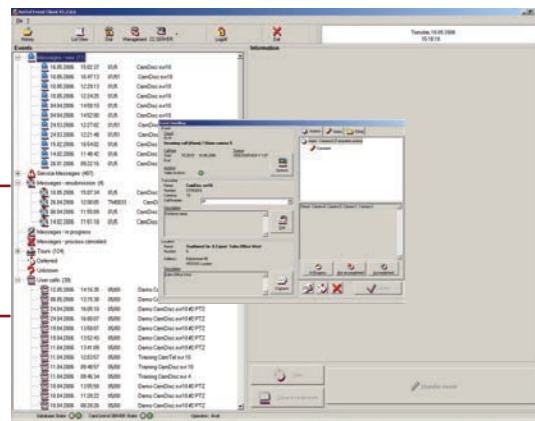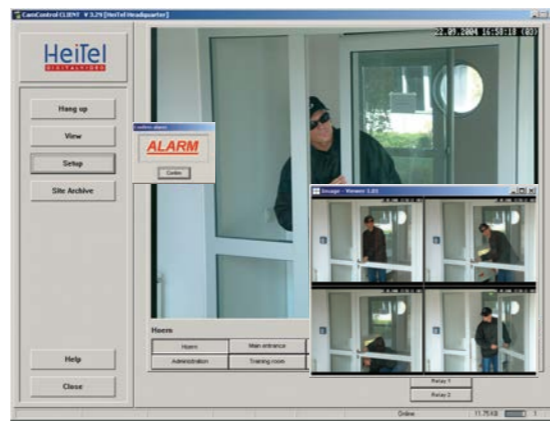User Interface with categorised display of events supports all event-specific operations

CamControl CLIENT or FastTrace2 CamControl video module
Support all video-related operations

EMS Server

EMS SERVER consisting of:
1. Central database for administration of master data, video archives, events and protocols
2. Connection and interface management for all remote transmitters

Master Data Management Module

Operator Management Module

Message window "Alarm"

Message window "Routine Daily Call"
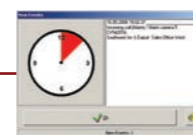
Message window "Resubmission"

HThealthCheck MONITOR
Live monitoring of system status and GPS position

GPS Watcher and Geofencing Module
for GPS positioning in live and history mode

Event HISTORY
Log of events

CamControl PLAYER
Video Archive Playback

LAN/WAN INTERNET DSL GPRS HSDPA CDMA UMTS/3G EDGE PSTN/POTS ISDN GSM HSCSD LTE/4G
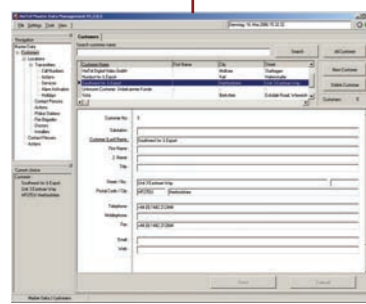

EMS Server

Autonomous control centre solution with up to 50 operator stations that consists of Event CLIENT, CamControl CLIENT and FastTrace2 CamControl including alarm management tool with dynamic alarm processing and alarm database

- Support of HeiTel VideoGateway and ADPRO FastTrace 2/iFT series
- Automatic connection by transmitter-side alarms, freely-programmable observation tours and service function
- Multi-Site functionality for simultaneous connection for up to 50 video transmitters
- Customer-specific event notification at global and customer-specific levels
- Enhanced, colour display for identification of events and/or transmitter priorities
- User-sensitive password management with individually configurable user rights and definable password validity period
- 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 HeiTel VideoGateways over public or private networks
- Operation, alarm verification and (remote) configuration for an infinite number of video transmitters
- The Pre-Alarm Viewer allows the operator in case of an alarm to automatically receive the complete pre- and post-alarm video sequences simultaneously to the live images of up to three cameras
- HThealth-check allows live monitoring of system status and GPS position (incl. arm/disarm status, hard disk errors, hardware issues, video loss indication, device temperature, IP line monitoring (HTconnect) and firmware version)
- Geo-fencing tool for mobile VideoGateways allows defining and monitoring of a. o. speed limits, no-go areas, no-leave areas and arrival areas, all visualized live on graphical map
- High-Level Integration (HLI) of ADPRO PRO/PRO E PIRs including evaluation of all alarm and status information of the detectors by the HeiTel VideoGateway
- Collective, one-go firmware update procedure for selectable VideoGateways
- Integrated multi-leveled Site Map management tool for interactive operation and automatic triggering of the event-relevant camera
- Full database search, e.g. according to date, time and installation site specific criteria with customised analysis functionality for events and archive video recordings
- Alarm-specific action plans on customer, location and transmitter level with email functionality for completed missions
- Integrated logging and documentation functions with report and list printout of logs as well as email functionality for logs and alarm protocols
- Decentralised master database holding all data related to the customer, the site and the video transmitters (e.g. contact data of key-holder, installer, police, fire brigade, medical support)
- Configurable client operator rights allows for the decentralised maintenance of the master database as well as the administration and configuration of any remote site
- Automatic storage of all received videos in the central receiver archive
- Relay control per transmitter to operate lighting, gates etc.
- Multilingual user interface (DE, EN, ES, PT, ZH Traditional, ZH Simplified, RU, PL)
- EventCLIENT module in a new design: Starting from v2.0.0 the EMS includes a new graphical interface that can be started optionally from the Client working station (EventCLIENTng.exe)
- Integrated CamControl MV (Private Multi-View) for video live transmission in free definable layouts with up to 64 cameras simultaneously
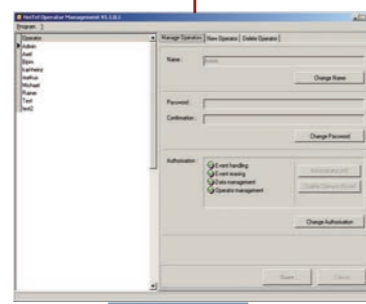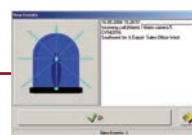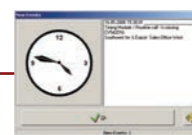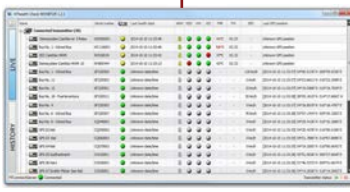

Specifications

Server PC

CPU	Pentium >= 3 GHz (optimal dual processor or dual core system). Installations with more than 1500 HTconnect connections to HeiTel VideoGateways: >= : Intel Core i7 at 3GHz or higher
Memory	>= 1 GB (2 GB recommended), installations with more than 1500 HTconnect VideoGateways or more than nine video connection channels (video ports): >= 4 GB
Operating System	Windows Server 2008/2012 R2 with latest Service Pack, Windows 7 Ultimate with latest Service Pack
Hard disk capacity	Min. 200 GB, dependent on the size of the video archive, the data base size, the number of events and received images
Monitor	1 Monitor
Graphic card	1152 x 864 pixel recommended, 65536 colours
Interfaces	USB interface for dongle Interface via COM port (Moxa), CFos or Network for connection of transmitters (depending on project specifications), ISDN interfaces (depending on demand)
Network	1 GBit Network card
Drive	CD-ROM hard drive for installation
Recommendation	Teamviewer installation for remote maintenance (support)

Client PC

CPU	Intel Core i3 with 2GHz or higher
Memory	2GB RAM or higher
Operating System	Windows 7 (Ultimate or Professional) with latest Service Pack
Hard disk capacity	320GB or bigger
Monitor	2 resp. 3 Monitors, if using optional "Site Map"
Graphic card	Dual monitor support, minimum 1024 x768 pixel (1152 x 864 pixel recommended for Event CLIENT Monitor), the use of a multiscreen compatible graphic card is recommended. DirectX 11 compatible graphic card (GPU) for optimised H.264 video streaming
Network	1 GBit Network card
Drive	CD-ROM hard drive for installation

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EMS work station 1
Event CLIENT   CamControl CLIENT   EMS Site Map

EMS work station 2
Event CLIENT   FastTrace CamControl   EMS Site Map

EMS work station 50
Event CLIENT   FastTrace CamControl or CamControl CLIENT   EMS Site Map

Example: Alarm Call
Verification of incoming alarms with pre-alarm sequences, live images and processing of action plans

Example: Manual Dial-In
Routine observation tours with manual access to live images, site archive and support of remote control functionality

Example: Evaluation of History Archive
Post-processing of completed events with search and evaluation functionality for event-specific protocols and alarm-linked video archives

EMS Server

GSM   PSTN   ISDN   GPRS   HSPA   CDMA   UMTS/3G   WAN
HSCSD   POTS   TCP/IP   EDGE   DSL   LAN   WLAN   LTE/4G

CamDisc VG
Digital video transmission system with local long-term recording for 4 or 10 cameras

CamDisc SVR
Digital video transmission system with local long-term recording for 4 or 10 cameras

CamDisc VG 2s
Digital video transmission system with local long-term recording for 2 cameras

Cam4mobile VG
Shock resistant digital video recording and transmission system for mobile applications for 4 or 10 cameras

CamTel VG
Digital video transmission system for 4 to 10 cameras

CamServer VG 4c
Digital video transmission system with local long-term recording for 4 cameras

FastTrace 2/2E/iFT
Video and audio transmitter/ recorder for single and multi sites supporting up to 16 analog and/or IP/megapixel cameras

CamDisc VG 4c/ Cam4mobile VG 4c
Digital video transmission system with local long-term recording for 4 cameras. Cam4mobile VG 4c is suitable for mobile operation

CamDisc VG HNVR
Hybrid image transmission and image recording system for mixed operation of up to 10 analogue and IP cameras

CamDisc+ E
Digital video transmission system with recording for up to 4/10 IP cameras or 4/10 analogue cameras (optional video add on card required); optional licence for video analytics with IntrusionTrace

CamDisc E/ CamDisc EM
Digital video transmission system with recording for up to 4/10 IP cameras or up to 4 analogue cameras(optional video add on card required); optional licence for video analytics with IntrusionTrace

ipVG
Digital video transmission system for recording of up to 10 IP cameras; optional licence for video analytics with IntrusionTrace

CIO Adapter
External Input/Output adaptor with up to 50 additional sabotage monitored alarm control inputs and 8 relays

PRO E-PIR Detectors
High-performance Passive Infrared Motion Detectors for outdoor surveillance purposes for detection and reporting of alarm events