










Video Transmission, Video Recording		
	Part No.	Type/Description
	4604	CamTel SVR 4 added support for multiple IP cameras * Digital video transmission system for 4 analogue cameras with integrated Ethernet interface (DSL) for video transmission/remote set-up/remote maintenance (options: POTS/PSTN, ISDN, GSM/HSCSD); up to 25 fps transmission speed; MultiLink/Multiuser technology; IP leased line HTconnect; integrated Web server for live video transmission and camera control via PC, Smartphone, PDA browser; pre-alarm buffer for approx. 1400 images; integrated motion detection, event-triggered dial-up connections by alarm contact, technical alarms and routine call; email alarm message; camera position authentication; privacy zones; remote control of PTZ systems and 2 relays optional accessories: ISDN Card, PSTN Card, Audio Card, 19" Mount Kit (2 RU)
	4610	CamTel SVR 10 added support for multiple IP cameras * Digital video transmission system for 10 analogue cameras for further features see CamTel SVR 4
	4906	CamServer 2 (including hard disk) added support for multiple IP cameras * 2 channel video server, without fan, with integrated 320 GB hard drive (2,5"). Compact digital video transmission and recording system (1 RU) for 2 analogue cameras with integrated Ethernet interface (DSL) for video transmission/remote set-up/remote maintenance (options: POTS/PSTN, ISDN, GSM/HSCSD); MultiLink/Multiuser technology; IP leased line HTconnect; integrated Web server for live video transmission and camera control via PC, Smartphone, PDA browser; Triplex functionality; real-time recording; audio recording; schedule-controlled permanent and motion recording or contact-triggered event recording respectively selectable per camera; event-triggered connections by alarm contact, motion detection, technical alarm and routine call; email alarm message; camera position authentication; privacy zones; remote control of PTZ systems and 2 relay optional accessories: ISDN Card, PSTN Card, Audio Card, 19" Mount Kit (1 RU)
	4504	 CamDisc SVR 4 (without hard disk) added support for multiple IP cameras * Digital video transmission system with local long-term recording on removable hard disk for 4 analogue cameras with integrated Ethernet interface (DSL) for video transmission/remote set-up/remote maintenance (options: POTS/PSTN, ISDN, GSM/HSCSD); MultiLink/Multiuser technology; IP leased line HTconnect; integrated Web server for video transmission and camera remote control via PC, Smartphone, PDA browser; Triplex functionality; up to 25 fps recording speed; audio recording; schedule-controlled permanent and motion recording or contact-triggered event recording respectively selectable per camera; event-triggered connections by alarm contact, motion detection, technical alarm and routine call; email alarm message; camera position authentication; privacy zones; remote control of PTZ systems and 2 relays optional accessories: ISDN Card, PSTN Card, Audio Card, 19" Mount Kit (2 RU)
	4510	 CamDisc SVR 10 (without hard disk) added support for multiple IP cameras * Digital video transmission system with local long-term recording on removable hard disk for 10 analogue cameras; for further features see CamDisc SVR 4
	4524	 CamDisc SVR 4s (without hard disk) added support for multiple IP cameras * Digital video transmission system with local long-term recording on removable hard disk for 4 analogue cameras, with integrated Ethernet interface (DSL) for video transmission/remote set-up/remote maintenance (options: POTS/PSTN, ISDN, GSM/HSCSD); MultiLink/Multiuser technology; IP leased line HTconnect; integrated Web server for video transmission and camera remote control via PC, Smartphone, PDA browser; Triplex functionality; real-time recording; audio recording; schedule-controlled permanent and motion recording or contact-triggered event recording respectively selectable per camera; event-triggered connections by alarm contact, motion detection, technical alarm and routine call; email alarm message; camera position authentication; privacy zones; remote control of PTZ systems and 2 relays optional accessories: ISDN Card, PSTN Card, Audio Card, 19" Mount Kit (2 RU)
	4520	 CamDisc SVR 10s (without hard disk) added support for multiple IP cameras * Digital video transmission system with local long-term recording on removable hard disk for 10 analogue cameras; for further features see CamDisc SVR 4s
	4530	CamDisc HNVR 10 (without hard disk) Hybrid video transmission with long-term recording for combined operation of up to 10 analogue and IP cameras; specifications based on the existing CamDisc SVR series; makes maximum use of IP camera functions; megapixel resolutions with high-resolution IP cameras; connects up to 8 analogue cameras (in place of IP cameras) when using optional 'HYBRID Card 4' (maximum of 2 cards); recording onto integrated removable hard disk drive with system interface for external memory expansion and increased data integrity using RAID; integration of future IP cameras with regular firmware updates; low network load even when using megapixel cameras thanks to HTcompress®; separate network connections for IP cameras and system integration; input voltage range of 8 - 16 V DC (nominal Voltage 12 V); built-in audio functionality; optional accessories: HYBRID Card 4 for self assembling from Middle of August, ISDN Card, PSTN Card, 19" Mount Kit (2 RU)







Video Transmission, Video Recording









	Part No.	Type/Description
	4574 e-mark EN 50155	Cam4mobile 4 (without hard disk) added support for multiple IP cameras * Digital video recording and transmission system for 4 analogue cameras, suitable for public and private transport vehicles; CE approval, vibration approval EN 50155 and "e-mark"; integrated Ethernet interface (TCP/IP) for video transmission/remote set-up/remote maintenance (options: POTS/PSTN, GSM/HSCSD); MultiLink/Multiuser technology; IP leased line HTconnect; integrated Web server for video transmission and camera remote control via PC, Smartphone, PDA browser; Triplex functionality; up to 25 fps recording speed; schedule-controlled permanent and motion recording or contact-triggered event recording respectively selectable per camera; event-triggered connections by alarm contact, motion detection, technical alarm and routine call; email alarm message; camera position authentication; privacy zones; remote control of PTZ systems and 2 relays; GPS functionality, integrated audio card for the recording of one audio track, full-duplex voice communication via bidirectional audio transmission; power supply input with 8 to 30 V DC (nominal Voltage 12 - 24 V)with integrated current supply for all vehicle cameras optional accessory: CamMount Kit for horizontal and vertical mounting, IBIS Adapter
	4570 e-mark EN 50155	Cam4mobile 10 (without hard disk) added support for multiple IP cameras * Digital video recording and transmission system for 10 analogue cameras for further features see Cam4mobile 4
		Note: The number of video inputs of CamServer, CamTel SVR, CamDisc SVR, CamDisc HNVR and Cam4mobile can be virtually expanded via HeiTel's cascading feature. Virtual cascading is available with CamControl LITE, CamControl PRO or EMS Server/Client using EMS Site Map, compatible to all connections (IP and dial up) and supports even logical combination of up to 100 devices from physically separated sites. * Note: Using IP cameras please consider the product comparison list regarding restrictions of certain functionality.

Accessories, additional Hard Disk Drive

	Part No.	Type/Description
	4652	500 GB Removable Hard Disk (for SVR series) CamDisc devices (3,5")
	4653	1TB (1000 GB) Removable Hard Disk (for SVR series) CamDisc devices (3,5")
	4654	2 TB (2000 GB) Removable Hard Disk (for SVR series) CamDisc devices (3,5")
	4672	1 TB (1000 GB) Removable Hard Disk (for HNVR series) CamDisc HNVR devices (3,5")
	4673	2 TB (2000 GB) Removable Hard Disk (for HNVR series) CamDisc HNVR devices (3,5")
	4662	250 GB Removable Hard Disk (only for Cam4mobile) Cam4mobile removable hard disk (2,5"), suitable for mobile applications
	4663	500 GB Removable Hard Disk (only for Cam4mobile) Cam4mobile removable hard disk (2,5"), suitable for mobile applications
	8205	Data Recovery Recovery of recorded data of broken hard disks. This service is independent of the guarantee status of the hard disk and refers only to hard disks that are working electronically. In the event that the recovery fails, the service fee of €150.00 (net) will still be made. This fee includes the recovery of the archive password.
		Notes on HDD: Every hard disk is extensively tested for performance and functionality before release. Particular attention is given to the factors low power consumption and low heat development. These contribute to extended product life. To ensure that all CamDisc/Cam4mobile hard disks meet these criteria, every hard disk is coded, formatted, mounted in a CamDisc/Cam4mobile specific removable frame, and subsequently tested again. The offered removable hard disks are characterised by Serial ATA technology (SATA) and can be used generally in all HeiTel SVR-recorders. For CamDisc SVR 10s devices and 1 TB removable hard disks the following restriction is valid: 1 TB SATA hard disks are approved for devices starting from the serial number WV823xxx (and higher). The local evaluation of CamDisc hard disks larger than 200 GB hard disks requires a suitable PC or USB PC kit.

Video Management, Control Centre Integration




	Part No.	Type/Description
	4201	CamControl LITE added ability to view and evaluate images from IP cameras * Single user solution for operation, alarm verification, and configuration of up to 6000 image transmitters and storage of all transmitted images in a PC receiver archive.
	4220	CamControl PRO added ability to view and evaluate images from IP cameras * Single user solution for operation, alarm verification, and configuration of up to 6000 image transmitters with Multi-Site functionality and storage of all transmitted images in PC receiver archives <ul style="list-style-type: none"> • Simultaneous video connections to up to 9 separately located video transmitters • Insertion of transmitter-specific info text (Key-holder details) • Receiver-side event logging with special enhancements for control centre applications • Audio recording on the PC's hard disk receiver archive
	4200	CamControl PLAYER CamControl PLAYER is the playback software for CamServer/CamDisc/CamDisc HNVR/Cam4mobile HDD recordings or PC/Laptop archives in online and (via CamControl LITE/PRO/CLIENT) offline mode. Video sequences and/or single images can be exported in various formats (AVI, BMP, JPEG, HPX (HeiTel)). The CamControl PLAYER software and the export files can be stored on any storage medium. CamControl PLAYER features tools for playback in different speeds, printing, exporting, motion search, event search, statistics etc. as well as an integral image authenticity check tool. Display and Evaluation of GPS data like position and route in combination with Google earth and Open Street Map. CamControl PLAYER is available as a free download at our website www.heitel.com .
	4218	CamControl MV Video wall software for the display of up to 64 IT-based live video streams of up to 64 transmitters with a freely definable layout on up to 4 monitors. Ideally for the live presentation on preview-monitors. <ul style="list-style-type: none"> • Easy creation of individual monitor layouts with up to 64 differently-sized windows • Intuitive control and operation of PTZ cameras • Access to and online evaluation of pre-alarm sequences and hard disk archives • Remote switching of relays via on screen buttons
	4219	CamControl WM For general use and alarm verification; software designed for Windows Mobile based Smartphones and PDAs; live video transmission via GPRS, UMTS (3G), HSDPA, EDGE of an almost unlimited number of HeiTel transmitters and review of hard disk recordings; remote control of PTZ and dome cameras and operation of 2 relays; transmission of up to 12fps with HSDPA. The CamControl WM software will be available on www.heitel.com for 30 days free of charge testing. For a permanent use of CamControl WM, please order a licence key by completing the download form on HeiTel's web side and the order will be generated automatically.
		CamControl iPhone For general use and alarm verification; software designed for Apple iPhone® G3, 3GS, Apple iPhone® and Apple iPod touch. Live video transmission via GPRS, UMTS (3G), HSDPA, EDGE of an almost unlimited number of HeiTel transmitters and review of hard disk recordings; remote control of PTZ and dome cameras and operation of 2 relays; transmission of up to 12fps with HSDPA. The CamControl iPhone® software will only be available as download on www.store.apple.com/us . Software will be available as limited demo version (0,79 US- Dollar). Full version chargeable for 149.50 US- Dollar on exclusively www.store.apple.com/us , too.





Accessories		
	Part No.	Type/Description
	4270	PTZ/R16 Remote Adapter (end of life) Remote adapter for remote control of PTZ systems and 16 additional relays (e.g. for lighting, door control systems, etc.); data link/transfer via transparent data channel from CamDisc or CamTel
	4272	R16 Adapter (for SVR series) (end of life) Remote adapter for remote control of 16 additional relays (e.g. for lighting, door control systems, etc.)
	5205	HYBRID Card 4 (for CamDisc HNVR) (available from middle August 2009) Plug-in module for CamDisc HNVR 10 for adding up to 4 analogue cameras (PAL/NTSC) (in place of IP cameras). Plug-in of up to 2 'HYBRID Card 4' in CamDisc HNVR 10 Note: The HYBRID Card 4 is delivered separately along with instructions for fitting into the CamDisc HNVR device. When using the HYBRID Card, the maximum possible number of IP cameras is reduced by the number of analogue cameras used.
	5204	PSTN Card (for SVR/HNVR series) PSTN Modem for analogue transmission with CamTel SVR, CamServer, CamDisc SVR and CamDisc HNVR. Applicable for main connections to the public telephone network or within an interphone system. Dialling Mode: DTMF, Impulse; Transmission Mode V.32; max. Transmission rate 33600 Bit/s Note: The PSTN Card is delivered separately along with instructions for mounting into CamTel SVR, CamServer, CamDisc SVR and CamDisc HNVR devices
	5201	ISDN Card (for SVR/HNVR series) Plug in ISDN module with S0/I.430 interface for transmission via 1 B channel Note: ISDN card is delivered separately with instructions for on-site installation into CamTel SVR, CamServer, CamDisc SVR and CamDisc HNVR devices
	5202	Audio Card (for SVR series) Plug in Audio module for bidirectional transmission of digital audio signals in voice quality Note: Audio card is delivered separately with instructions for on-site installation into CamTel SVR, CamServer, CamDisc SVR
	9131	19" Mount Kit (2 RU) Installation kit for 19" mounting of up to three SVR series devices, CamDisc HNVR and Cam4mobile (2 RU)
	9132	19" Mount Kit (1 RU) Installation kit for 19" mounting of one device (1 RU) (CamServer, POS/ATM Adapter, CI Adapter)
	9141	CamMount Kit Two-part installation kit for horizontal and vertical mounting in vehicles as well for strain-relief; suitable for SVR series or Cam4mobile
	5301	IBIS Adapter Adapter for connection of Cam4mobile to an integrated on-board information system (IBIS), e.g. in busses or trains. The IBIS adapter can be used a.o.t. to synchronize the Cam4mobile system time with the IBIS system time. More IBIS data sets: Date, Time, Wagon- number, Line, Curs, Stop
	4697	PC Kit CamDisc HNVR USB External housing with USB connection for device-independent evaluation of CamDisc HNVR removable hard disks (i.e. for use with laptop computers)
	4698	PC Kit CamDisc USB External housing with USB connection for device-independent evaluation of CamDisc/Cam4mobile removable hard disks (i.e. for use with laptop computers)
	5040	USB/Serial Adapter Cable Adapter cable to give PCs and laptops fitted with only a USB interface a connection to serial devices such as null modem cable/modem etc.
	4222	4x Interface Card MOXA 4x interface card (PCI) for CamControl PRO connecting up to 4 ISDN-TAs or analogue modems
	4223	8x Interface Card MOXA 8x interface card (PCI) for CamControl PRO connecting up to 8 ISDN-TAs or analogue modems, with active on-board processor for discharge of the CPU of the PC

HeiTel Product Overview

valid 01st of September 2009



Accessories		
	Part No.	Type/Description
	4274	CI Adapter External alarm input expansion module for CamTel SVR, CamServer, CamDisc SVR and CamDisc HNVR devices. The CI Adapter offers 50 alarm control inputs for event triggering, camera selection and dome/camera "preset position" selection. The CI Adapter will also enable the triggering of event recording (CamDisc SVR only). Compact design suitable for desktop and 19"-rack (1 RU) mounting.
	6101	POS/ATM Adapter POS Adapter (1 RU) for image-synchronous data recording of 1 cash register /cash machine /Filling station / access control /scanner- system with one analogue video input; designed for connecting to CamServer, CamDisc SVR or CamDisc HNVR. Recording of transaction data with image-synchronous recording in CamServer, CamDisc SVR or CamDisc HNVR video archives; optional video overlay of transaction data for all connected analogue POS and ATM cameras; comprehensive evaluation of POS and ATM data and associated video recordings (e.g. POS criteria: search for cash register date/time, item description, price) with logic AND/OR operators; optional accessories: 19" Mount Kit (1 RU). The latest compatibility list is available in the HeiTel partner forum on the HeiTel website www.heitel.com .
	6104	POS/ATM Adapter 4 POS Adapter (1 RU) for image-synchronous data recording of 4 cash registers /cash machines /Filling station- / access control /scanner- systems with four video inputs for further features see POS/ATM Adapter
	8201	POS/ATM PA Pro-rata one-off cost for interface protocol implementation of unknown cash register /cash machine/Filling station/access control/scanner- systems if the project size is ≤ 10 pieces. In case the project size is more than 10 pieces POS/ATM adapters HeiTel will take over this cost. The latest compatibility list is available in the HeiTel partner forum on the HeiTel website www.heitel.com .
		Note: The cascading of Adapters for POS applications is possible; the cascading of Adapters for ATM applications is not possible; further protocols on request

Data Transmission		
	Part No.	Type/Description
	5009	ISDN TA ISDN TA PPX (Euro ISDN, national ISDN, 1 B channel) An ISDN terminal adapter is required for connecting image transmitters or receiver PCs via ISDN-S0 based connections to public telephone networks.
	5051	Router C 1500h GPRS/EDGE/UMTS/HSDPA/HSUPA Router The Router is highly suited for mobile applications in combination with Cam4mobile. Depending on the network signal strength the router automatically switches between UMTS (3G), HSUPA, HSDPA or GPRS and therefore offers in combination with HTconnect@ and HeiTel systems (e.g. Cam4mobile) intelligent and fully automated backup management of the data transmission path. Supports data transmission rates of up to 1.8 Mbps downstream and 384 kbps (up to 2 Mbps using HSUPA) upstream. Scope of delivery: Mountable antenna, power supply, manual on CD, quick guide Note: Delivered without SIM card. This part is subject to export control.
	5052	Router C 1500hw Specifications as per C 1500h model, but includes additional WLAN module. Source of supply: Mountable antenna, power supply, manual on CD, quick guide Note: Delivered without SIM Card. The article is subject to export control.
	-	GSM Modem Siemens TC35i, Dual Band GSM Modem for wireless transmission (900 and 1800 MHz) of CamTel SVR, CamServer, CamDisc SVR, CamDisc HNVR and Cam4mobile to GSM networks. The TC35i Modem establishes connections for video transmission to the GSM network. The receiving PC has to be connected via PSTN, ISDN or GSM. Housing: 75 x 64 x 33 mm; operating voltage: 8 to 30 V Possible source of supply: www.mc-technologies.de Note: Please pay attention to necessary accessories, e.g. power supply, antenna, SIM card
	RoHS compliant	Note: All Products are RoHS compliant since 01.07.2006



Network Solution - EMS (Event Management System)

	Part No	Type/Description
	4206	EMS SERVER Includes: 1 x CamControl SERVER, 1 x Event SERVER, (1 x dongle), 1x MySQL Pro licence, which is necessary for the operation of the EMS SERVER. Autonomous and scalable monitoring centre solution with CamControl SERVER and Event SERVER with up to 21 operator stations (consisting of EMS CLIENTs) including alarm management and alarm database by HeiTel. With every EMS SERVER a Remote Service Package must be purchased via HeiTel as well if necessary optional: EMS TAPI, EMS Site Map
	4207	EMS CLIENT Includes: 1 x CamControl CLIENT, 1 x Event CLIENT Software for viewing, alarm verification and configuration of HeiTel transmitters (CamControl CLIENT); and comprehensive alarm management screen with dynamic alarm processing (Event CLIENT); Integrated site map management tool for interactive operation and display of all relevant basic functions
	4208	EMS TAPI EMS TAPI (Telephony Application Programming Interface), e.g. allows for connection to an existing, compatible telephone system and thereby for simplification and error reduction during telecommunication (e.g. automatic dialling).
	4209	EMS Site Map A multi-level site plan allows for targeted access to single cameras or transmitters via an interactive GUI (Graphical User Interface). With the ability to select individual remote, sites and then select specific cameras based on a "site map" of the customers premises, this is a very powerful add on especially for operators who do not have an intimate knowledge as to the layout of the remotely monitored site. Note: Per EMS Client a EMS TAPI respectively EMS Site Map must be purchased separately.
	4213	Remote Service Package The Remote Service Package is compellingly necessary in use with the EMS SERVER for support purposes. In use with the Remote Service Package, HeiTel's support team will be able to have remote access to the EMS SERVER/CLIENT for side event logging.
	8206	EMS Start-Up and User Training The EMS start-up is necessary. An EMS start-up (installation) may only be conducted by a HeiTel system specialist. This service package includes the start-up installation of the HeiTel Event Management System (EMS) by a system specialist at your facility and user training covering the installation and start-up, the data and user management and of course the operation of the EMS. Optionally the creation and implementation of site maps with the Site Map module and the set-up and operation of the TAPI module is trained, too. We strongly recommend a start-up by a HeiTel system specialist locally at your site. Alternatively, system training at HeiTel in Molfsee, Germany, can be made use of.

HeiTel SDK (Software Development Kit)

	Part No	Type/Description
	4203	CamControl SERVER CamControl SERVER enables scalable monitoring centre solutions by integration of HeiTel video transmitters into a premium 3 rd party monitoring centre software Options: <ul style="list-style-type: none"> Partially integrated multi-operator solution combining HeiTel CamControl CLIENT software (for video display handling) with 3rd party alarm receiving software Fully integrated multi-operator solution with video display handling and alarm receiving software, by 3rd parties
	4205	CamControl CLIENT Software operation, alarm verification, and configuration of up to 2000 image transmitters as part of a partially-integrated "multi-user central station solution"; works in conjunction with CamControl SERVER and a premium 3 rd party monitoring centre software solutions
	4200	CamControl PLAYER CamControl PLAYER is the playback software for CamServer/CamDisc/CamDisc HNVR/Cam4mobile HDD recordings or PC/Laptop archives in online and (via CamControl LITE/PRO/CLIENT) offline mode. Video sequences and/or single images can be exported in various formats (AVI, BMP, JPEG, HPX (HeiTel)). The CamControl PLAYER software and the export files can be stored on any storage medium. CamControl PLAYER features tools for playback in different speeds, printing, exporting, motion search, event search, statistics etc. as well as an integral image authenticity check tool. Display and Evaluation of GPS data like position and route in combination with Google earth and Open Street Map. CamControl PLAYER is available as a free download at our website www.heitel.com .

Note: CamControl LITE/PRO (version 3.83 or above) does not run under Windows® 95/98/ME/NT. CamControl MV/WM/iPhone® support only IP-based connections. **Note:** EMS SERVER runs under Windows® XP Professional (Service Pack 2). EMS CLIENT runs under Windows® 2000/XP. CamControl SERVER runs under Windows® 2000/XP. **All software products are downwards compatible**, i.e. all operational HeiTel image transmitters can be operated with all CamControl software packets. Please check the according data sheet for minimum system requirements. **Note:** The number of video inputs of CamServer, CamTel SVR, CamDisc SVR, CamDisc HNVR and Cam4mobile can be virtually expanded via HeiTel's cascading feature. Virtual cascading is available with CamControl LITE, CamControl PRO or EMS Server/Client using EMS Site Map, compatible to all connections (IP and dial up) and supports even logical combination of up to 100 devices from physically separated sites. **Note:** Using IP cameras please consider the product comparison list regarding restrictions of certain functionality.

