UltraTrans
DIGITAL PICTURE TRANSMISSION SYSTEM

UltraTrans

UltraTrans is a high quality, budget conscious digital video transmission system capable of transmitting up to 10 color cameras over the following transmission networks: ISDN, MODEM, Cellular links, and TCP-IP computer Networks. With "pre-alarm" image recording, 11 alarm inputs, 2 relay outputs, and a transparent RS232 channel for PTZ control of a selection of domes/telemetry transmitters. UltraTrans is the perfect choice for remotely monitoring your sites.

- **Digital picture transmission system with 10 video inputs for color and B/W cameras**
- **Instant access to any picture with user friendly Windows compatible software**
- **Max resolution 512x256 Pixel**
- **JPEG compression with conditional refresh algorithm**
- **12 alarm/control inputs (any input with individual adjustment for automatic transmission function)**
- **1 alarm enable input**
- **2 relay outputs expandable up to 16 (direct control by receiving software)**
- **Automatic dial-up in case of alarm via built-in activity detection or control input**
- **1.4MB memory for pre-alarms (approx. 110 picture in ring storage)**

- **Up to 4 different receiver numbers (Receiving PC) when alarm occurs**
- **Video transmission via ISDN, MODEM, Cellular links or TCP/IP (10MBit Ethernet)**
- **Transparent data channel for easy integration of external devices with serial interface**
- **Remote-Module for "on screen-control" of PTZ cameras resp. high-speed-dome-cameras**
- **Password protection for transmitter connection and transmitter settings**
- **Individual video level adjustments for any camera input**

UltraTrans

TECHNICAL SPECIFICATIONS

VIDEO / TRANSMITTER

Video Standard	EIA/NTSC or CCIR/PAL
Resolution	512x256 pixels, 256x128 pixels, 128x80 pixels, 24 Bit, 16.8 million colors
Compression Technology	JPEG (compression factor is adjustable per camera)
Video Inputs	10 x CVBS (BNC), 1Vpp /75 ohm
Video Outputs	1 x CVBS (BNC), 1Vpp /75 ohm
Activity Detection	Selectable per camera for event recording
Pre-Alarm Buffer	Approx. 60 pre-alarm pictures for up to 10 cameras

RECEIVER STATION

General Features	• PC-based remote evaluation and remote setup via Windows compatible software over WAN/LAN
	• Manual or automatic initiation of picture transmission
	• Alarm journal and access protection
	• Selective recording of received video sequences
Screen Mode	Full-screen or Multi-screen with 4 or 10 pictures

INTERFACES / TRANSMITTER

ISDN Adapter	Built-in S0-interface EDSS / Euro ISDN (only 01.4010)
Remote Control Interface	1 x RS-232 to control e.g. Domes via protocol converter or an external Relay module
WAN/LAN Interface	1 x RS-232 via Sub-D for external ISDN adapter, MODEM or TCP/IP adapter
Parallel Inputs	10 x alarm inputs and 1 alarm enable input via connection block for alarm control; 2 additional general purpose inputs
Parallel Outputs	2 x C-relays, via connection block, rated 0.2A / 48 V, indicates system error

GENERAL

System Setup	Local or remote via Windows compatible software
Access Protection	Multiple password levels
Power Supply	12 V DC/2 A, external power supply 100-240 Vac included
Operating Temp	From +5°C to +40°C / +32°F to +131°F
Housing	Industrialized metal housing: 178(W) x 42(H) x 165(D)mm 7.36(W) x 1.96(H) x 7.87(D) inch
Weight	Base unit 2 kg, 4.7 lbs.
Standards	CE (EN 50130-4, EN 50081-1, EN 60950); approved by German PTT (BTZ)
Documentation	English, German
Warranty	12 months

BASE UNITS

KT0511DU - UltraTrans CVS, digital video transmission with V.24 communication interface to be connected to external MODEM-, Cellular-, ISDN- and TCP/IP adapters, transparent communication channel (RS-232) and storage of pre-alarm and post-alarm, including power supply (110/230V AC / 9 V AC), Windows compatible receiver software for 1 PC-based monitoring station is included (Ultra Receiver Software, 1 License)

SOFTWARE PACKAGES

KTSWS4200 - Ultra Player Software (1L), One license for one additional Windows compatible evaluation station (Win-95, -98, -2000, -NT); compatible to UltraDisk II recordings

KTSWS4201 - Ultra Receiver Software (1L), One license for one additional Windows compatible remote station (Win-95, -98, -2000, -NT); compatible to UltraTrans *Lite*, UltraTrans, and/or UltraDisk II

KTSWS4220 - Ultra Receiver CL Software, One license for Windows compatible remote station; for simultaneous reception/control of up to 4 sites; compatible to UltraTrans *Lite*, UltraTrans, and/or UltraDisk II

DATA COMMUNICATIONS

KP2075 - PCI compatible interface card with 4 x RS-232 interfaces for UltraTrans CL software for connecting up to 4 x external data communication devices e.g. MODEM via RS-232 interfaces
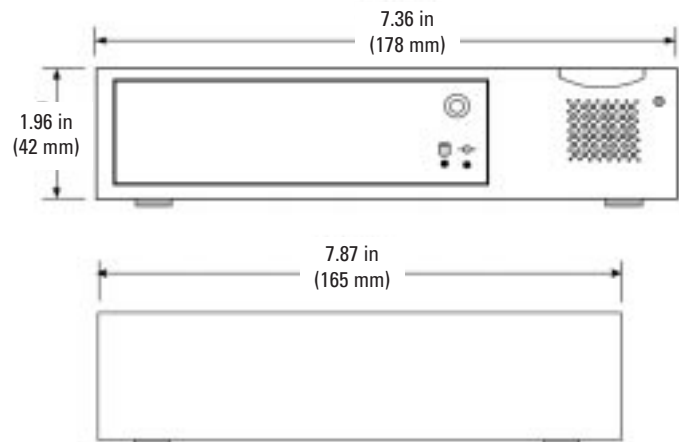
KT5031TA - External TCP/IP-TS Terminal Server (Ethernet 10BASE-T) for data transmission over Ethernet networks (to be connected to the RS-232 port of UltraTrans *Lite*, UltraTrans, and UltraDisk II)

KTMOD56K - External analog modem to be connected to the RS-232 port of UltraTrans *Lite*, UltraTrans, and UltraDisk II;
Modem: U.S. Robotics 56K V.92 External Fax Modem or Hayes Accura 56K V.90 External Data/Fax Modem. U.S.

REMOTE CONTROL

KP4270RM - Remote control and system integration equipment for UltraTrans and UltraDisk II. The remote module is an optional low cost module with 16 relays that plugs into the transparent RS232 port of the UltraTrans and UltraDisk II to enable PTZ telemetry control of the following systems:

- Ultrak KD6
- Panasonic: WV-CSR650, WV-CSR600, WV-CSR400, WV-BSR300
- Ernitec: Video switcher 500M / 1000M with ICU´s or BDR´s and ICU´s or BDR510 / 550 direct
- Pelco: Spectra series domes
- Sony: Preset camera EVI D 30/31
- Philips: Dome LTC0809
- VideoTronic: Bustronic (BGALL version 3.2)
- JVC: TK-C675, TK-C675BE domes
- VCL: Orbiter Microsphere domes

7.36 in (178 mm)
1.96 in (42 mm)
7.87 in (165 mm)

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