

UltraDisk II

DIGITAL PICTURE RECORDING / TRANSMISSION SYSTEM



UltraDisk II

UltraDisk II is a digital video recording system with 4 video inputs using removable IDE hard disk drives to record VHS quality images. UltraDisk II has the unique feature of allowing the user to dial in from anywhere in the world to review his images via one of the following transmission mediums: ISDN, MODEM, Cellular and TCP-IP computer networks.

- Digital recording and picture transmission system with 4 video inputs
- Max resolution 572 x 256 Pixel
- JPEG compression with conditional refresh algorithm
- Individual recording speed per camera
- Maximum recording speed up to 16 pictures/sec.
- UltraDisk II can be equipped with 40 and 80GByte drives
- 24 days recording at 1 pict/sec with full frame recording
- Approx. 180 days at 1 pict/sec with conditional refreshment recording
- 4 alarm inputs
- Integrated video activity detection
- Video transmission via ISDN, MODEM, Cellular links or TCP/IP (10MB Ethernet)
- Automatic dial-up in case of alarm via built-in activity detection or control input
- Password protection for transmitter connection and transmitter settings
- Easy picture evaluation of recordings
 - via remote connection over (ISDN, MODEM, Cellular and TCP-IP computer networks)
 - via Nullmodem cable (e.g. Laptop)
 - via plug in of hard disc into PC (PC-Kit UltraDisk II)
- Telemetry control for domes and telemetry receivers



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TECHNICAL SPECIFICATIONS

VIDEO

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	4 x CVBS (BNC), 1 Vpp/75 ohm
Video Outputs	1 x CVBS (BNC), 1 Vpp/75 ohm
Activity Detection	Selectable per camera for alarm transmission and storage of pre-alarms

RECEIVER STATION / PLAYBACK & REVIEW

General Features	<ul style="list-style-type: none">• PC-based remote evaluation and remote setup via Windows compatible software over WAN/LAN• Removable hard drive can be evaluated with standard PCs in conjunction with Windows compatible player software• Manual or automatic initiation of picture transmission• Alarm journal and access protection
Screen Mode	Full-screen or Multi-screen with 4 or 10 pictures
Playback Modes	Single picture, sequence/film, forward/reverse, still mode
Search Criteria	Date/time, camera number and alarm

INTERFACES

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
Alarm Inputs	7 x alarm inputs via connection block for alarm control
Relay Outputs	1 x Form C-relay, via connection block, rated 0,2A /48 V, (indicates system error or alarm follow)

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 Temperature	From +5°C to +40°C, +41°F to +104°F
Housing	Industrialized metal housing: 160(W)mm x 80(H)mm x 280(D)mm 6.49(W) x 3.34(H) x 11.02(D) inch
Weight	Base unit 4 kg, 9.4 lbs.
Standards	CE (EN 50130-4, EN 50081-1, EN 60950)
Documentation	English, German
Warranty	12 months

BASE UNITS

KXR0400DU - UltraDisk II V.24, digital video recorder based on HDDs, 4 video inputs, ring storage technology (recording speed approx. 16fps with non-synchronized cameras) and integrated motion detection per camera; Picture transmission in combination with external MODEM-, Cellular-, ISDN- and TCP/IP adapters, power supply (110V-240V AC / 12V DC is included; Windows compatible receiver and player software for 1 PC-based monitoring station is included. (Ultra Receiver Software, 1 License and Ultra Player 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:

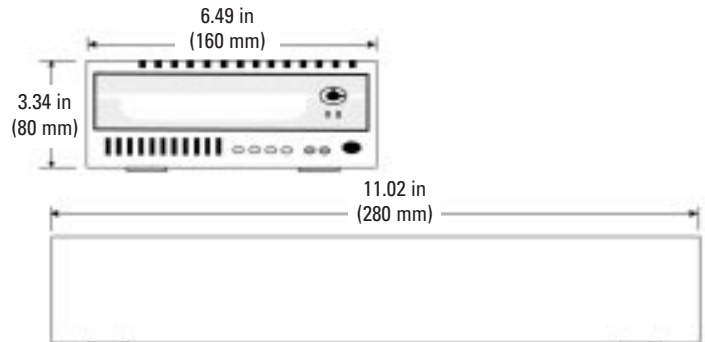
- Ultrak KD6
- Panasonic: WV-CSR650, WV-CSR600, WV-CSR400, WV-BSR300
- Ernitec: Video switcher 500M / 1000M with ICU's or BDR's and ICU's or BDR510 / 550 direct
- Pelco: Spectra series domes
- Sony: Preset camera EVI D 30/31
- Philips: Dome LTC0809
- VideoTronic: Bustronic (BGALL version 3.2)
- JVC: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

STORAGE DEVICES

KXRHD40GB - 40GByte hard disk drive pre-configured and mounted in mobile rack. The hard disk is prepared to record video data and is ready to be used with UltraDisk II. Total recording time approx. 16 days (1fps full frame recording) or approx. 120 days (1fps delta image recording) HDD: Western Digital WD400AB/5400

KXRHD80GB - 80GByte hard disk drive pre-configured and mounted in mobile rack. The hard disk is prepared to record video data and is ready to be used with UltraDisk II. Total recording time approx. 32 days (1fps full frame recording) or approx. 240 days (1fps delta image recording) HDD: Western Digital WD800BB/7200

KXRDKT4699 - PC-KIT Ultra, PC-mounting kit to accommodate UltraDisk II hard drives, for evaluation of UltraDisk II recordings by using a Windows PC in combination with the Ultra Player Software. One set of software and connection cables will be delivered with UltraDisk II.



Design and specifications subject to change without notice.

Conversion: 1" = 25.4mm
Measurement conversions are approximate

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