

TeleObserver® TO1100

Remote Video Transmission via ISDN, PSTN (POTS)

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Whatever your personal or business interests concerning video transmission and surveillance are, we have the right answer for you with the TeleObserver product line.

In our TeleObserver TO1100 you find a powerful and compact system for the transmission of video images via the telephone (analog or ISDN) network.

Live images can thus be transmitted world-wide from any place to a central station or a mobile reception station.

System Structure

The TeleObserver TO1100 is designed for video transmission via a telephone line.

The device has 4 camera inputs and one video output. The TeleObserver TO1100 has also two sensor inputs and two level insulated outputs.

The serial interfaces allows the attachment of additional devices for the

control of the cameras (pan and tilt units) as well as an external modem.

The H.263+ standard-compliant compression software allows the transmission of up to 7 frames per second through the analog telephone net and up to 15 frames per second via ISDN.

To operate the TeleObserver, a standard PC with a modem is needed on the receiver side or, in case of higher mobility demands, a notebook with a GSM modem. The receiver software must be installed on the computer. There are no further requirements.

Fields of Application

The fields of application of the TeleObserver TO1100 include among others:

- Surveillance in shops, filling stations and leisure time facilities
- Protection of private objects, e.g., villas, stables, empty property or holiday objects
- Use in the industrial sector, e.g., for the control of the production process
- Visual access control of objects

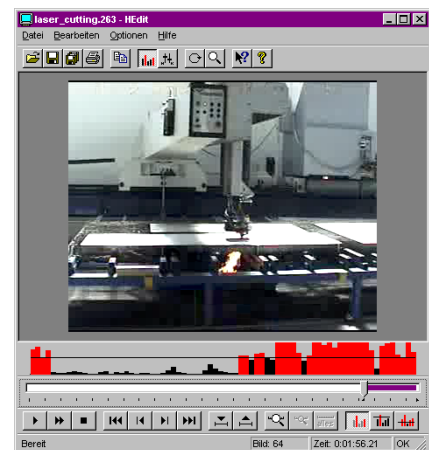


Receiver Software

The software supports the following features:

- Video transmission after contacting the sender
- Automatic connection and transmission of post-alarm images in the event of an alarm detection by the sender
- Automatic redial
- Acoustic and visual signal in the event of an alarm
- Live camera switch and control
- Control of sender functions
- Automatic video recording at receiver side for later analysis
- Automatic record file
- Password-protected program settings of the system for alarm configuration
- Selection of different transmitter configurations
- Configuration of several senders
- Simple video replay

Video Player Software



The video player software offers varied analysis possibilities for the recorded video data. The following features are included:

- Display of motion intensity for a fast search of points of interest
- Export functions for BMP and AVI
- Magnifying function
- Loop replay of the videos

Technical Specifications

Model	TeleObserver TO1100
Video Input	4 BNC sockets: CVBS / PAL, NTSC
Video Output	1 BNC sockets: CVBS (control monitor)
Resolution	CIF (352 x 288 Pixel) QCIF (176 x 144 Pixel) SQCIF (128 x 96 Pixel)
Video Transmission	Digitalization of the analog camera input signals, compression rates beginning at 9600 Bit/s, depending upon resolution and image quality, transmission of 7-10 images/s via PSTN 15 images/s via ISDN
Compression Method	H.263 +
Interfaces	2 x RS-232 DSub9 1 x RJ 45 socket
Sensor In/ Out	2 / 2 Pluggable terminal block
Power Supply	AC adapter plug, 12V
Software	Receiver software with storage and control functions (24h ca. 120 MB) Video analysis and export software
Size	169 x 112 x 51 mm ³ (6.7 x 4.4 x 0.2 in ³)
Weight	700 g (1.5 lb)
Accessories (optional)	DetailExplorer (Software for the quality improvement of details in video images) Relay Box (Device for the control of pan and tilt cameras, models with 8 or 16 relays) VideoSwitch (device for the connection of additional cameras)

Receiver-Side System Requirements

Processor	Pentium 90 MHz
Memory	16 Mbytes
Graphic Card	640 x 480, 256 Colours
Operating System	Windows95 / Windows NT
Receiver	GSM, analog or ISDN Modem

Configurations

The TeleObserver TO1100 is available in the following variants:

TO1100 – PSTN	Model with integrated analog modem, max. 33.6 kbit/s
TO1100 – ISDN	Model with integrated ISDN modem, max. 64 kbit/s

Delivery Set

TeleObserver TO1100 with

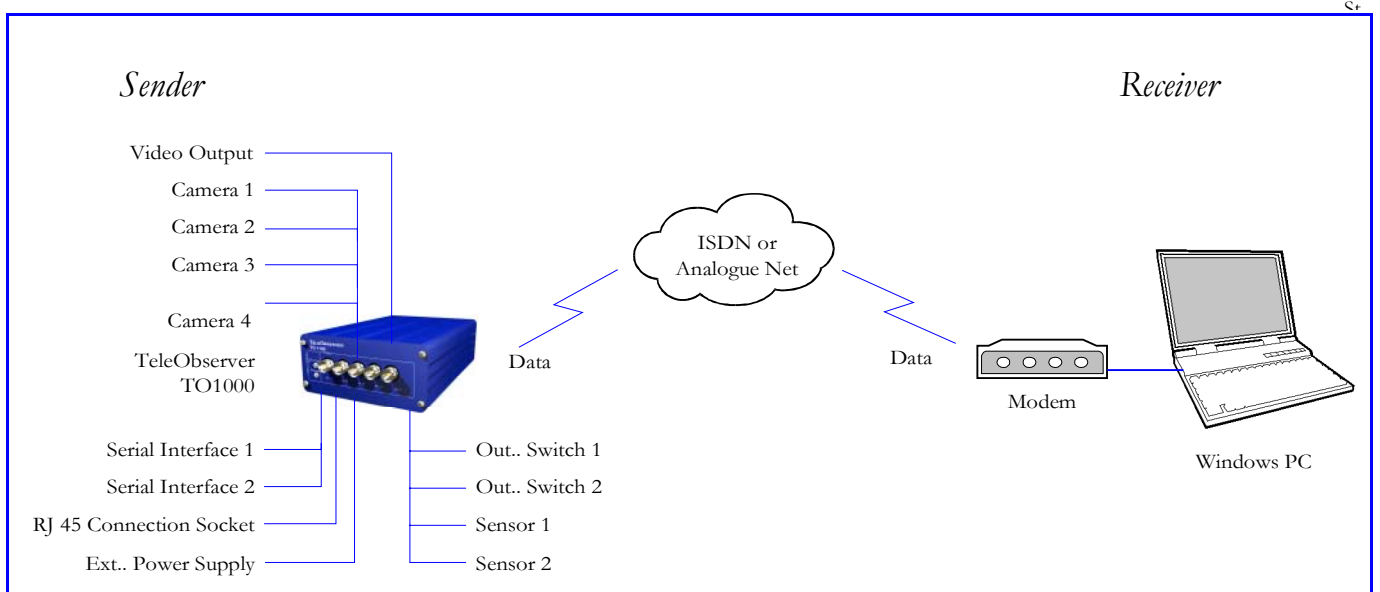
- Internal analog or ISDN modem
- Function control LED
- DC IN

AC adapter

Receiver software

Video analysis and export software

Instruction manual



Updated: September 7th 2000