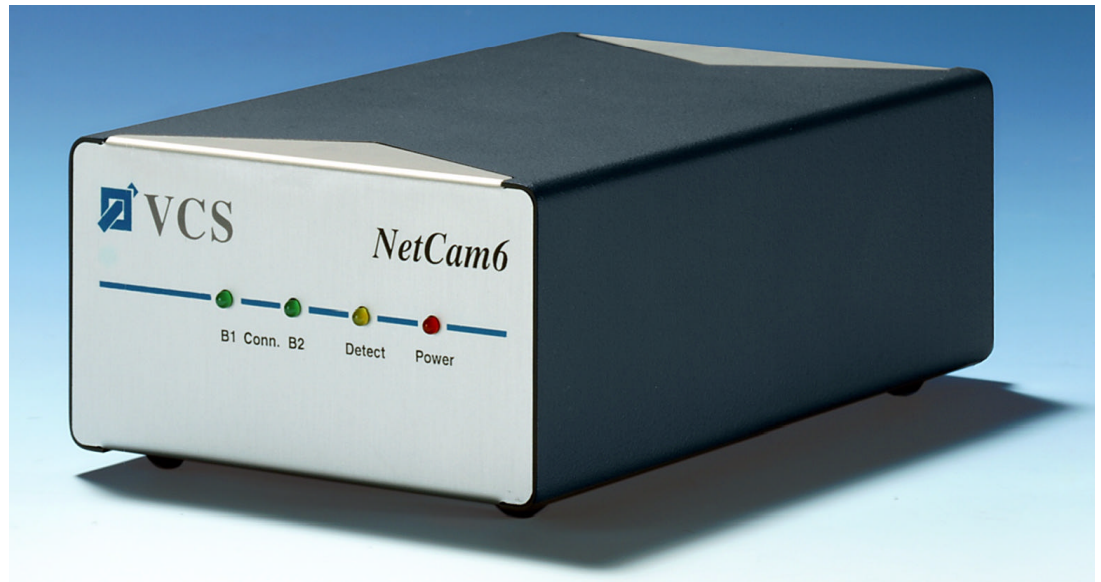
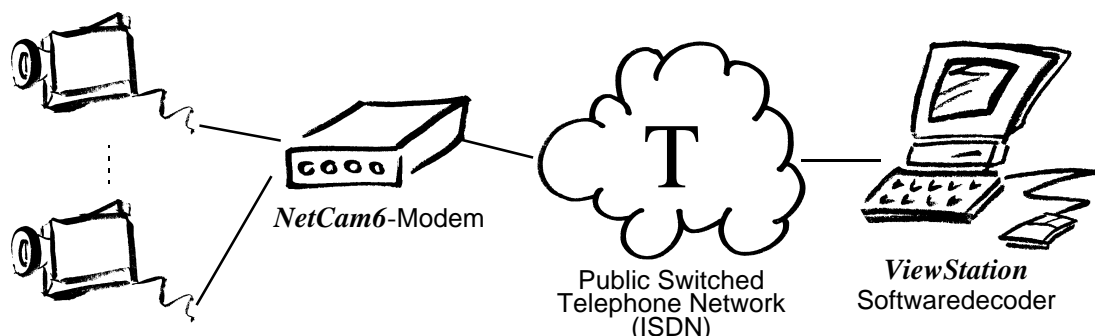


NetCam6 - Multimedia Modem



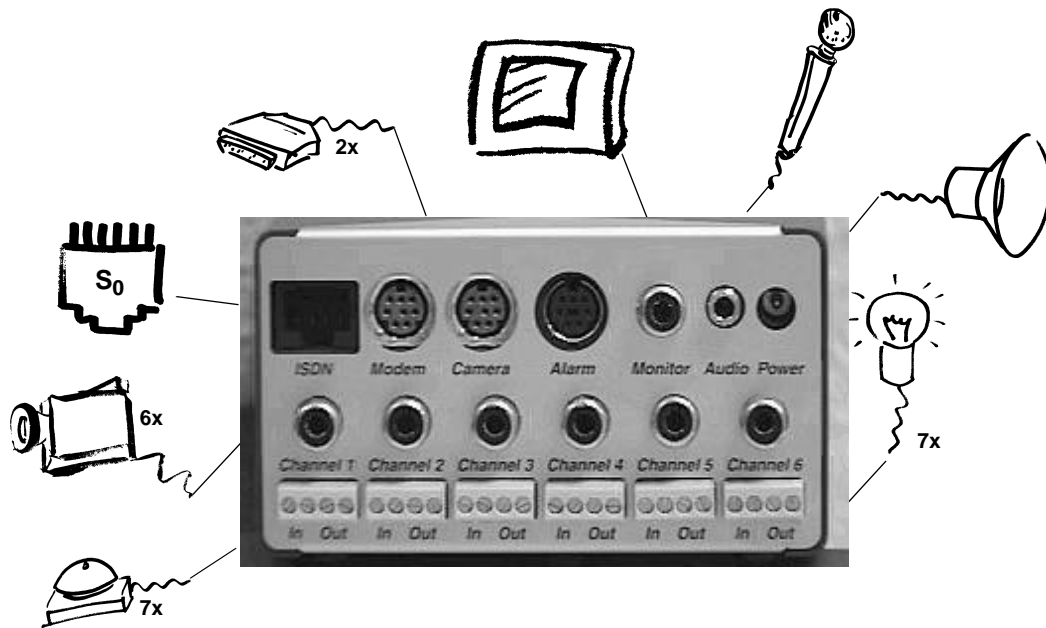
- Compact stand-alone unit enabling video and audio transmission over ISDN
- High quality color video, full duplex audio transmission
- High video resolution up to 704 x 576 pixels; max. 25 frames/s
- *ViewStation* software decoder; complies to H.320 videoconferencing standard
- On-board bilingual ISDN interface
- Integrated cross-bar for up to six cameras
- Remote control of connected cameras (pan/tilt/zoom) and all internal functions
- Full duplex data transmission
- Alarm inputs and outputs (relais)
- Password protection
- Security application features, e.g. motion detection, autonomous call-back, connection logging
- Remote maintenance and software upgrade via ISDN
- Easy to use, 'plug and play'

The *NetCam* multimedia modem enables transmission of full-color video and audio signals to a remote receiver via the public switched ISDN telephone network with up to 128kbit/s. *NetCam* is a compact, stand-alone unit connecting video, audio and data sources to the ISDN. Video and audio playback is accomplished by the *ViewStation* multimedia decoder, a software-only application running under Windows (TM) on a PC (see *ViewStation* datasheet). The *NetCam* multimedia modem itself does not require any set-up and is instead fully remote controlled from the *ViewStation* receiver. Alarm inputs and outputs as well as integrated security features such as motion detection or tracking and local storage capabilities make *NetCam* ideally suited for security and surveillance applications.



NetCam6

NetCam6 - Multimedia Modem



Functionality

The *NetCam* multimedia modem operates like an answering machine: when dialed-up, e.g. from the *ViewStation* application running on the receiving PC, after verification of caller authorization (password, caller number) *NetCam* starts transmitting video and audio signals. Video information is displayed in a window on the PC screen. Optionally, audio is played through the PC sound board. All functions of the *NetCam* system and attached devices are remote controlled from within the *ViewStation* application, e.g. camera pan/tilt/zoom, audio on/off, and so on.

Applications

NetCam was primarily designed for surveillance and security applications, but is equally well suited for all uses that require transmission of audio and video signals over distances, e.g. for audiovisual information services. Using the public switched ISDN network as the transmission medium, the distance between the camera and the receiving station is no longer limited by any means, e.g. to a building or campus. This enables surveillance or multimedia information retrieval on a world-wide basis. *ViewStation* lets you dial into any location or the *NetCam* sender will call-back in the event of an alarm. Remote maintenance and supervision of machinery is as easily accomplished as the surveillance of houses and apartments ('security-on-demand').

This compact and affordable solution even opens up new fields of application: for example, connecting a video-disc player via *NetCam* to the ISDN provides dial-up information services for movie-trailer access as well as product/company presentations. The 'dial-up camera' delivers the desired motion video information about current weather situation, road conditions or the utilization of ski resorts. Most importantly, it allows for alarm verification and thereby effectively enables real-time 'insight' into distant events.

Options

- Scene analysis: detection of motion in the video scene, alarm triggering and autonomous call-back
- Motion tracking: stabilize relevant moving parts of the scene in the center of the active image area (requires pan and tilt head/camera)
- Local storage: continuous recording of audio and video data to the local memory, no connection required; marking of alarm images; download of recorded sequences to the receiver
- Hardware receiver operation: compact stand-alone H.320 compatible receiver for audio and video, controlled via RS232 commands (API)
- Hard-disk for long time recordings
- X.21 interface for data rates up to 2 Mbit/s
- POTS operation: V.34 modem for transmission over analog telephone lines

Specifications

- Standards: H.320, G.711/722/728
- ISDN-protocols: bilingual (DSS1, 1TR6)
- Video resol.: max. 704 x 576
- Frame rate: max. 25 frames/s
- Video inputs: 6 x PAL/NTSC, 75 Ohms, 1 Vpp
- Video output: PAL/NTSC, 75 Ohms, 1 Vpp
- Audio input: 32 dBm0, programmable gain
- Audio output: 10 to 0 dBm0, 600 Ohms
- Data interfaces: 2 x RS 232/485, mini-DIN 8 pin
- Line interface: RJ45, S0-Basic Rate Interface
- Line rate: 64/128 kbits/s(ISDN)
- Alarm inputs: 7 x via opto-coupler
- Alarm outputs: 7 x via relays
- Display: Connected B1/B2, Detect, Power
- Dimensions: 113 x 54 x 168 (W x H x D) in mm
- Power: 100-240 VAC adapter (incl.), 10W
- Weight: 18 oz

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