

aethra

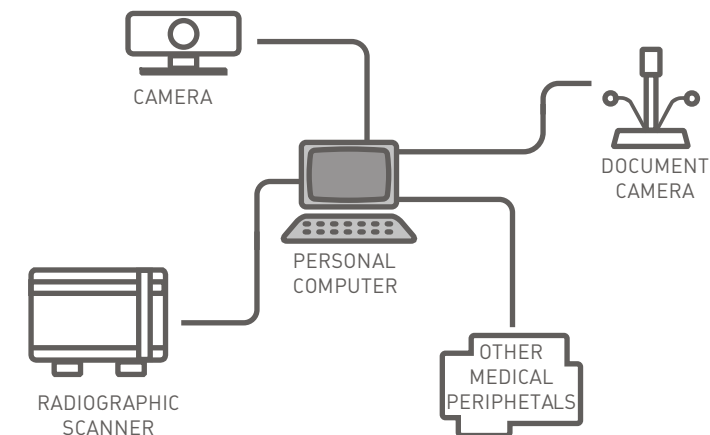


EYKONA 700 TELEMEDICINE SYSTEM

The integrated telemedicine system Eykona 700 manages electronic medical records, processes medical images and provides videoconsultation services.

Developed and designed to support remote medical consultations, Eykona700 allows the user to share patient data via live and store and forward applications.

The system has been designed to provide an easy connection to a variety of medical peripherals and hardware devices.



SOFTWARE SPECIFICATION

- Patient archive
- Custom templates to support medical examinations
- Printing of single electronic medical records contained within the patient archive
- Transfers of electronic medical records via standard T.120 and via proprietary data channel
- Acquisition of single frame images in Windows standard formats
- Acquisition and visualisation of audio-videoclips in proprietary format and Windows AVI
- Acquisition and visualisation of radiographic images
- Imaging processing
- Shared whiteboard
- Display and sharing of Audio-videoclips
- Connection to PACS via FTP
- DICOM compatibility supporting the following functionalities:
 - DICOM acquisition and processing
 - conversion of Windows standard images into DICOM format
 - conversion of DICOM formats into bmp, jpeg and AVI formats
 - exchange of DICOM files over TCP/IP
 - image sharing functionality

HARDWARE SPECIFICATIONS

- Workstation
- Windows 95/98
- Monitor XVGA 21"
- Optional Monitor PAL or NTSC
- 2 input video
- 2 output video
- Audio input
- Audio output
- Loudspeakers
- PAL or NTSC camera with autofocus and PTZ

VIDEOCONFERENCE SPECIFICATIONS

STANDARD SUPPORTED

- ITU-T H.320: ISDN, leased lines
- ITU-T H.323: IP networks
- Video: H.261, H.263
- Audio: G.711, G.722, G.728
- Data: T.120 and proprietary
- MCU compliance: H.243
- Bit rate: 56/ 512 kbps over ISDN in 8B H. 221 or Bonding
512 56/ 768 kbps over IP networks

- Video resolution: FCIF 352x288 pixel
QCIF 176x144 pixel
- Audio coding: Band: Bit-rate:

G.711	300-3400 Hz	56 kbps
G.722	50-7000 Hz	48/56 kbps
G.728	50-3400 Hz	16 kbps

AUDIO FEATURES:

- Echo cancellation, Full Duplex
- Automatic Gain Control (AGC) ±12 dB
- Automatic Noise Suppression

INTERFACES

- 4 ISDN BRI with integrated aggregation function: 8B H. 221 or Bonding
- Interface LAN Ethernet 10/100 (RJ45)
- Optional multi-interface board: Dual RS499, Dual X.21, Dual V.35/RS366A or G.703



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