

A mobile workstation for communications between physicians and patients

VIMED® TELEDOC 2 is a mobile workstation that delivers high quality, simultaneous image, audio and medical video communications, in real-time between the physician and a patient irrespective of location.

■ This bespoke system combines high mechanical stability and electronic reliability without compromising mobility within the hospital environment.

VIMED® TELEDOC 2 approved according to the German medicine product law (MPG).

The latest audio-video communication technologies ensure exemplary sound and image quality at low bandwidths. The high-resolution camera, with optical zoom, renders the smallest details accessible to the physician.

■ The integrated **3D-audio system VIMED® VOICE** ensures optimum sound quality independent of specific room acoustics.

VIMED® VOICE incorporates a boundary layer microphone enabling clear audible speech over distances.

VIMED® TELEDOC 2 sends and receives DICOM-data, providing simple integration into RIS and PACS.

VIMED® TELEDOC 2 can be used for a variety of medical disciplines, where audio-visual communication and data transfer requirements can be remotely accessed across large distances. This has proved most beneficial in areas such as radiology, neurology and stroke services.



Technical data

Processor	Intel® Pentium® Mobile 745
Frequenz	1.8 GHz
Memory	1024 MByte
Graphic card	Intel 855 GM; 64 MByte Graphic storage
Hard disk	80 GByte
Optical drive	CD-RW/DVD-R-Drive or DVD+/-RW Recorder
Network	Onboard 10/100 MBit/s (RJ-45); Galvanic network separation for medical electrical devices and systems according to DIN EN 60601-1-1; Optional: 54 MBit WirelessLAN-Adapter
Connections	1 x USB 2.0 / 1 x IrDA 115k Baud
Input devices	101-key medical keyboard with integrated Trackball
Software equipment	Microsoft Windows XP Professional OEM / Microsoft Office 2003 Professional OEM / Nero 7 Essentials Vista OEM Suite / eTrust Antivirus v7.1 / VIMED® COMM TELEDOC

Video specifications

Bandwidth	H.323: 64 Kbp/s – 4 Mbp/s
Video standards	H.261, H.263, H.263+/, H.264 (bis 512 Kbp/s outgoing)
Live video resolution	Interlaced CIF, CIF, SIF, QCIF, QVGA, VGA, 720p (incoming)
Data	Support for H.239 and Tandberg DuoVideo
Network specifications	ITU-T: H323 v4.2 / H.281 Annex Q (FECC) / H.323 QoS Feature / Coded conferences after H.235 (AES) possible / LDAP-Support
Camera	
Sensor size / resolution	1/4" / 752 x 582 Pixel
Norm	PAL / 25 Bilder/sec. / 1s - 1/10.000s / 0,7 Lux bei f=1,4
Lens	f = 4,1...73,8 mm / AF 216 fach Zoom (18 x Optisch)
Camera control	Pan & Tilt function
Monitor	Widescreen-LCD-Display
Diagonal size	53,4 cm (21,1 Zoll) Widescreen-LCD (16:10-Format)
Active Display Size (W x H)	454 mm x 284 mm / diagonal 534 mm
ideal and recommended resolution	1680 x 1050 Pixel / Point distance 0,27 mm x 0,27 mm
Display colors	16,7 Millionen / Brightness 450 cd/qm
max. dark space contrast	3.000:1 mit Contrast Enhancer
max. point of view	Horizontal: 178°; Vertically: 178°
LCD-Technology	S-PVA / Response time 8 ms
rise/fall	8/8 ms, Black-and-white change
Certifications and Standards	CE, TÜV GS, TÜV ergonomics examined, ISO 13406-2, TCO03, Energy Star

Audio specifications

Audio standards	G.711, G.722, G.722.1, G.723.1, G.728, G.729, AAC-LD
Audio features	Full duplex echo cancellation / Automatic noise suppression (ANS) / Voice Activity Detection (VAD)
Audio Input/-Output	VIMED® VOICE Sound system (integrated)

DICOM specifications (optionally)

Key Features	Flexible Screen-Layout / Versatility Toolbar / Advanced "Cine" function
Further functions (characteristics)	Burning of Patient-CD's / Scalable Multiplanar Rekonstruktion (MPR) / Digitale Substraktions-Angiography (DSA) / create AVI-Files (export AVI) / DICOM Print / 3D-Cursor function / CE- Certification
DICOM Compatibility	DICOM 3.0 / supports Storage und Query/Retrieve classes as Service Class User (SCU) and Service Class Provider (SCP)

General indicated

Dimensions (WxHxD)	63 cm x 159 cm x 54 cm / height adjustably from 159 cm to 197 cm
Weight	121 kg
Operating temperature	5° C ~ 40° C
Air humidity	10 % ~ 80 % / non-condensing
Power connection	AC 220 - 240 V, 50/60 Hz, max. 600 W, IP 20
Certification	CE / EN 60601-1 / EN 60601-2

VIMED®TELEDOC 2 is a telemedicine system from the MEYTEC GmbH Informationssysteme and a part of the VIMED® 2000 system family
Last Change: 06 January 2010. All data without guarantee. Changes and mistakes reserve.

Competence for telemedicine and eHealth

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