

A mobile wireless-workstation for communications between physicians and patients

VIMED® TELEDOC 5 presents a telemedicine system performing application in the clinical environment.

As a mobile system it enables co-operation between local medical personnel in hospitals and medical experts and specialists in approved centers or in their home office. The system is used to support of medical diagnostics and supplement medical treatment. A high degree of in-built security furnishings empowers the device, when performing consultations on patients in the emergency departments of hospitals.

The integrated communication platform, called Medical Communication Suite - VIMED® COMM, allows versatile use, in real time. In addition to the treatment documentation as well as radiology images, further medical data may be exchanged. MEYTEC's Telemedicine system performs bi-directional audio-visual communication.

■ The system's advantages are in the connection of remote experts and local patients through specific tele-medical technologies, including tele-medical exploration of patients in emergency situations by remote experts.

With its modern „Touch Screen“ monitor this communication platform is comfortable and simple to use.

The wireless enabled feature allows fast and flexible transport of device between different locations of action.

■ The device design is compact with a high mechanical stability and electronic reliability. The system conforms in its construction and operation to the basic requirements of regulation 93/42/EWG.



■ Uses the latest communication technologies to ensure outstanding image and sound quality at lowest transfer bandwidth. The high resolution and control ability of the camera provides first class quality and wide range of use. Optical zoom allows the display of the smallest details.

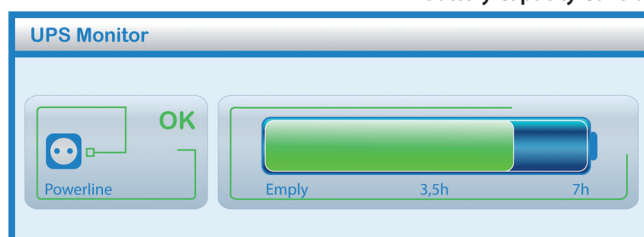
The integrated **3D-audio system VIMED® VOICE** allows optimum sound and comprehension, independent of the room acoustic and without the need for a headset. **VIMED® VOICE** incorporates a boundary layer microphone suitable for maximum effect in hospital spaces.

■ With an integrated **card reader** it is possible to transfer patient data from a health insurance card direct to the documentation software. The **DVD drive** allows the user to quickly burn CD/DVDs with patient or other relevant imported data on to them.

The power management guarantees of up to 7 hours battery operation without plugging the power line to a mains socket. Automatic shut down software protects the device against unexpected power loss.

VIMED® TELEDOC 5 can be used for a variety of medical disciplines, where audio-visual communication and data transfer requirements can be accessed remotely across large distances.

Battery Capacity Control



Technical data

Processor	2nd Gen Intel® Core™ i7 Mobile Processor
Memory	4 GB
Hard disk	128 GB
Network	Onboard GBitLAN (RJ-45) Galvanic network separation for medical electrical devices and systems according to DIN EN 60601-1-1
Connections	1 x USB 2.0
Input devices	101-key medical keyboard with integrated Trackball
Software equipment	Microsoft Windows 7 Professional OEM / Microsoft Office 2010 Professional OEM / Authentication Extended Device Block / Medical Communication Suite - VIMED® COMM 10
Card reader	for eGK and health insurance card
DVD drive	reading and writing of CD / DVD / DVD RAM

Video specifications

Bandwidth	H.323: 64 Kbp/s – 4 Mbp/s
Video standards	H.261, H.263, H.263+/, H.264 (up to 2 Mbps)
Live video resolution	4CIF, CIF, Interlaced CIF, SIF, QCIF, QVGA, VGA
Data	Support for H.239 HD Dual Stream™
Network specifications	ITU-T: H323 v4.2 / H.281 Annex Q / H.323 QoS / Coded conferences after H.235 (AES)
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 zoom (18 x optical)
Camera control	Pan & Tilt function
Monitor	Widescreen-LCD-Display
Diagonal size	Digital Display 21,5" / 53,75 cm / Format 16:9
Active Display Size (W x H)	477 mm x 269 mm
ideal and recommended resolution	1920 x 1080 Pixel
Display colors	16,7 Million / Brightness 250 cd/qm
max. point of view	Horizontal: 178°; Vertically: 178°
LCD-Technology	TFT LCD Touch Screen

Audio specifications

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

DICOM (optional)

DICOM Specifications	on requirements
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UPS (integrated)

Input/-Output	230 V, 50 Hz 5A / 24 V DC
Charging current	automatic limitation
Accumulator	24 V / 33 Ah encapsulated Lead Battery, 7h autonomous operation

WLAN

Standard	IEEE 802.11 a/b/g/n
Frequency Band	2.4 / 5 GHz
Data rate	11 / 54 / 300 Mbps

General indicated

Dimensions (WxHxD)	63 cm x 159 cm x 54 cm / height adjustably from 159 cm to 197 cm
Weight	117 kg (incl. 24 kg UPS and battery)
Operating temperature	5° C ~ 40° C / Air humidity 10 % ~ 80 % / non-condensing
Power connection	AC 110 V, 220 - 240 V, 50/60 Hz, max. 600 W, IP 20
Certification	CE / EN 60601-1 / EN 60601-1-2

VIMED® TELEDOC 5 is a telemedicine system from the MEYTEC GmbH Informationssysteme and a part of the VIMED® 2000 system family
Last Change: 28 September 2012. All data without guarantee. Changes and mistakes reserve. All previous data sheets are invalid.

Competence for telemedicine and eHealth

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