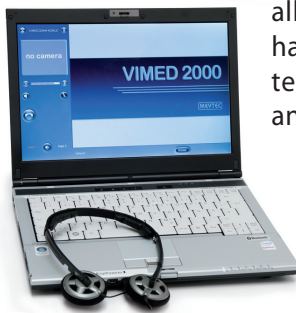


A portable workstation for telemedicine applications

VIMED® UMTS 2 is a secure, high-performance, lightweight laptop that ensures the physician can operate remotely.

VIMED® UMTS 2, with the latest Core™ 2 Duo processor is ideal for teleradiology, second opinion and case discussion, wherever audio-visual transmission is required. Communications between the physician and a patient takes place in real-time, with high quality two-way sound and vision. Engineered from high-grade magnesium alloy, this robust laptop device has shock-mounted hard drive technology that protects data and ensures reliability.



Main features of VIMED® UMTS 2

- Transportable telemedicine system
- High specification design with magnesium alloy case
- Security by biometrical fingerprint sensor
- Shock sensor prevents hard disk damage and minimises data lost
- Splash water resistant keyboard
- Two inbuilt digital microphones

Communication

- Medical video communication and image inspection
- Communication via UMTS-HUSPA radio networks
- Audio-visual link between physician and patient in real-time
- Full deployment in broadband 3G network and wireless LAN by IEEE 802.11n technology
- Teleradiology
- Second opinion and emergency out-of-hours support

VIMED® UMTS 2 can send and receive DICOM data allowing integration into RIS and PACS if the appropriate software is installed.

A specialised module allows communication via the 3G networks with the high data transfer performance. If required, an additional diagnostic monitor may be connected to the laptop via a port replicator when in an office environment.



Technical data

Processor	Intel® Core™ 2 Duo / 2,4 GHz
Memory	2 x 1GB SDRAM
Graphic controller	Intel GMA X3100 Graphic controller
Hard disk	160 GB S-ATA 150 (5400 rpm) Shock sensor for hard disk protection
Optical drive	DVD Super Multi LW
Network	Modem, LAN, WLAN AGN, UMTS/HSUPA (without contract, without SIM Card) With support for GPRS and EDGE, two UMTS Antenna
Connectors	Bluetooth 3 x USB 2.0 S-Video VGA
Input devices	Splash water resistant keyboard Touchpad, Fingerprint
Software equipment	Microsoft® Windows® XP Professional OEM Microsoft® Office Basic Nero Burning ROM eTrust Antivirus v7.1 VIMED® COMM MOBILE
Security	Kensington Lock Support

Video specifications

Connection speed	H.323: 64 Kbp/s – 4 Mbp/s
Video-Standards	H.261, H.263, H.263+ / ++ H.264 (up to 1024 Kbps out going)
Supported video resolutions	4 CIF, CIF, SIF, QCIF, QVGA, VGA, 720p
Data	Support for H.239 and Tandberg DuoVideo
Network specification	ITU-T: H.323 v4.2 H.281 Annex Q (FECC) H.323 QoS Feature Encrypted conferences regarding to H.235 (AES) possible LDAP-Support
Camera	Conference Camera 1.3 Megapixel, VGA
Monitor	13.3" WXGA, LED / 1280 x 800 Pixel, Glare Display

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) Automatic Gain Control Dynamic Noise Reduction Voice Activity Detection (VAD)
Audio-Input/-Output	Loudspeaker 2 microphones with noise reduction and echo cancellation Earphones

General information

Power supply / battery	AC/DC Adapter 3.25A (65 Watt) 100-240 V, 50 - 60 Hz Lithium-Ion Battery Pack, 5200 mAh
Dimensions	Width: 314 mm Depth: 234 mm Height: 22,7 - 31,5 mm
Weight	about 1,75 kg
Operating Temperature	5° C ~ 35° C
Humidity	20 % ~ 85 % / non condensing

VIMED® UMTS 2 is a telemedicine system from the MEYTEC GmbH Medizinsysteme and a part of the VIMED® 2000 system family
Last update: 30 April 2010. All data without guarantee. Changes and mistakes reserve.

Competence for telemedicine and eHealth

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