The Smallest Mobile Telemedicine Solution on the Market

The Medweb Hand-held Telemedicine Kit (HTK) is a deployable kit of fully customized and integrated suite of digital medical devices needed to conduct first-line patient exams. This 21st century doctor’s bag allows professionals working in the field to capture, store and transmit encrypted and high-quality patient data and images over a tablet or laptop with Medweb Collage™ software via Medweb’s EMR Gateway, to any EMR, PACS or Medweb Cloud. The HTK devices transmit data via USB, 3G/4G or WiFi where available. The HTK is the most lightweight and deployable telemedicine solution on the market.
**Medweb Hand-held Telemedicine Kit**

**KEY BENEFITS**

**Grow your Practice / Maximize Time & Resources**

- Reach patients in remote and rural environments with your new mobile practice
- Nurses, community workers or general physicians conducting patient consults in the field can quickly consult with specialists anywhere around the world.
- A must-have tool for first responders (EMTs, firefighters & police officers) mining and oil workers, school nurses, and facilities such as prisons, cruise ships and rural clinics.
- Reduce the amount of emergency ambulatory trips needed for injured workers to reach a medical facility and receive diagnosis.

**Facilitate and Speed up Triage**

- Expedite urgent cases and clear out busy waiting rooms of non-emergencies.
- Limit costly ambulatory trips for injured workers needing emergency medical consult.

**Improve the Quality of Service**

- Eliminate the need for your patients to travel; reducing cost and inconvenience of travel, wait times, risk of injury and exposure to infection.
- Improve the speed and convenience of patient care, while preserving the privacy and security of medical information.

Contact us at sales@medweb.com to schedule a personalized demo of Medweb HTK and also ask how it fully integrates with Medweb Collage™ for real time communication and store and forward e-Health in a single mobile application. Combine the HTK with Collage to stream medical data while having synchronous video or audio consults, and also benefit from the Collage™ EMR Gateway to integrate into any EMR for both imaging and reports.
Medweb Hand-held Telemedicine Kit

A Abdominal Ultrasound  
B Eye-Fundus Scope  
C Episcope  
D Bluetooth Pulse Oximeter  
E Ultrasound Gel  
F Digital EKG  
G Bluetooth Stethoscope  
H Camera Direct wifi SD card  
I Tablet  
J Multi-Scope  
K Otoscope

FEATURES

- Packaged in a lightweight 11x15in shoulder-carrying bag, protected by robust waterproof fabric.
- All devices in the HTK have at least a two-megapixel imaging capability and make use of the latest advances in optics, LED light sources, digital displays, wireless data transfer, and high-resolution imaging.
- An optional additional lithium battery pack and solar panel provides up to seven days of regular usage without a separate power source.
- Integrates with Medweb’s SmartConsult (Store-and-Forward) image and workflow management suites.
- Conveniently streams data from a laptop to other computers or mobile devices (Android or iOS) for viewing.
- Aligns with Medweb Collage™ software for seamless integration with Medweb’s EMR Gateway, allowing for integration into any EMR for imaging and reports.
Medweb Hand-held Telemedicine Kit

Medweb HTK Specifications

Multi-Scope Exam Camera Specification

<table>
<thead>
<tr>
<th>Attachment</th>
<th>Focusing Range</th>
<th>Dimension</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital Otoscope</td>
<td>5–30 mm</td>
<td>9x 9 x19 cm³</td>
<td>325 Grams</td>
</tr>
<tr>
<td>Digital Episcope</td>
<td>10 mm diameters</td>
<td>8×9×19 cm³</td>
<td>370 Grams</td>
</tr>
<tr>
<td>General Exam Camera</td>
<td>80 degrees (Diagonal)</td>
<td>8.5 × 5 x19 cm³</td>
<td>310</td>
</tr>
<tr>
<td>GramsFundus Scope</td>
<td>5–30 mm</td>
<td></td>
<td>12 Oz</td>
</tr>
</tbody>
</table>

Hand-held USB Ultrasound Probe

Small Parts Ultrasound
- Center Frequency: 3.5 to 5.0 MHz
- Pulse Frequency: 5.0 MHz and 3.5 MHz
- Scan Angle: 90 degrees
- Focal Point: 6 cm
- Scan Depth: 20 cm
- Clinical applications: Superficial organs such as thyroid, neck.

Abdominal Ultrasound 3.5 MHz

- Center Frequency: 3.5 MHz
- Pulse Frequency: 3.5 and 5.0 MHz
- Scan Angle: 90 degrees
- Focal Point: 7.5 cm
- Scan Depth (Max): 20 cm
- Clinical Applications: Abdomen, Uterus, Bladder, FAST exam

12 Lead Bluetooth EKG

- Acquisition module type: Digital
- Channels: User-selectable 3-channel VCG or 12 Lead ECG
- Patient cable: 10-wire (12-Ch) Banana
- Resolution: 12 bit resolution with 5000 Hz over-sampling per Two ‘AA’ alkaline or Lithium battery
- Power source: 60 db minimum, 1 volt peak-to-peak, 60 Hz common mode signa
- Common mode rejection: .05 to 125 Hz (-3 db)
- Frequency response: Monochrome 2.4” LCD
- Display: Concurrent pacemaker detection on all channels
- Pacemaker detection: All ch
- Defibrillator protection: V1.1, V1.2 & V2.0.
- Compliant with Bluetooth: Networking, Dial-up, Fax, LAN access, and Headset.
- Supporting profiles: Windows XP & Vista.
- Operating systems: Compliant with USB 1.1 & 2.0.
- Interfaces: 3Mbps.
- Data transmission rate: 5-10m.
- Working distance: FCC ID - WQ7I-BTD-04
- FCC approval:

Pulse Ox

- Oxygen Saturation Display Range: 0 – 100% SpO2
- Pulse Rate Display Range: 18 to 321 beats per minute (BPM)
- Oxygen Saturation Declared Accuracy Range: (A rms *) 70 – 100% SpO2 ±2 digits
- Low Perfusion Oxygen: Saturation Declared
- Accuracy Range: (Arms *) 70 – 100% SpO2 ±2 digits
- Pulse Rate Declared Accuracy Range: (Arms *) 20 – 250 BPM ±3 digits
- Low Perfusion Pulse Rate: Declared Accuracy
- Range: (Arms *) 40 – 240 ±3 digits
- Measurement: Wavelengths and Output Power
- Red: 660 nanometers @ 0.8 mw maximum
- Infra-red: 910 nanometers @ 1.2 mw maximum

Camera Direct - Wi-Fi Card/USB wireless dongle

- Wi-Fi Security: Static WEP 64/128, WPA-PSK, WPA2-PSK
- Typical Range: 90 feet outdoors and 45 feet indoors
- Storage Capacity: 2.0GB, 4.0GB and 8.0GB (1GB is defined as 10^9 Bytes)
- Card Dimensions: 5D standard 32mm x 24mm x 2.1 mm
- Card Weight: 0.1oz
- *5 GHz band not supported