

## ULTRASOUND IMAGING AT THE POINT OF CARE



MobiUS™SP1 Ultrasound System

Accurate and inexpensive diagnostics **at the point of care** is critical to reducing health care costs while also improving outcomes. Ultrasound imaging is safe, effective and can save lives, however more than 70% of the world's population does not have access to ultrasound because it is expensive and not portable enough.

Introducing *The World's First* Mobile Phone-Based Ultrasound Imaging System, the **MobiUS™SP1 Ultrasound System**.

These award winning systems are **Personal** – they fit in your pocket and can be taken **to** the patient no matter where they are; **Accessible** – mid-level professionals can easily operate them; **Connected** – the ultrasound images can be easily and securely shared for archival, second opinion, or remote diagnosis using a cellular or Wi-Fi network; and they are **Affordable** – clinics and medical professionals in resource limited settings can afford them.

Smartphones can be charged almost anywhere, which ensures that MobiUS devices can operate independent of the electrical grid, making them an ideal choice for disaster relief organizations and mobile medical professionals.

### EASY TO USE:



EXAM SELECTION



IMAGE OPTIMIZATION



SAVE IMAGE



REVIEW PATIENT EXAMS



GLOBAL MOBILE AWARDS 2011

WINNER



## CLINICAL APPLICATIONS

**Primary Care:** Abdomen, aorta, kidneys, gall bladder, thyroid, soft tissues, vascular, implants, foreign bodies, bladder. **OB/GYN:** Pregnancy confirmation/dates, viability, placenta, fetal lie, ectopic pregnancy, amniotic fluid assessment. **ED:** FAST exam to detect impact of trauma, cardiac. **Vascular:** DVT evaluation, vascular access.

**Medical Directors and CEOs** of health care organizations, large and small, can improve outcomes, increase efficiency and reduce costs by equipping their providers with MobiUS devices. An

**ER Doctor** could carry the MobiUS device and quickly detect internal bleeding by conducting the FAST exam without waiting for a cart-based system and a specialist to get there. A qualified **RN or NP** can use ultrasound to guide IV or central lines, reducing the risk of



infection or accidentally piercing an artery. A rural **OB/GYN** can confirm pregnancy and detect common complications without sending patients to remote centers. A **GP** could look for gall bladder and kidney stones, and aneurysms while they are conducting regular physical exams of their patients. Qualified **Emergency Responders** could use such devices to do simple diagnosis at the site of the accident, as well as send diagnostic data about the patient to the hospital to help them prepare in advance. Connectivity makes it easy to keep a record of all images for reimbursements, benchmarking and compliance.

While this enhanced access to ultrasound imaging may create a bigger demand for the expertise of **Radiologists**, in the long term it will reduce costs by enabling earlier and faster diagnosis.



35 Wk OB Placenta



Liver/Kidney Interface



Gall Bladder



10 Week Fetus



Right Thyroid Nodule

*"I can see what I need to see and the convenience is unbeatable."*

—Dr. Oliver Alami, Valley Medical Center

## SPECIFICATIONS

**Display:** 4.1" WVGA (800x480) touch screen

**Dimensions:** 5.1" x 2.75" x 0.4"

**Weight:** 11.6 oz

**Image Resolution:** Up to 480x480

**Image Size:** ~ 250KB as .BSX or ~42KB as JPEG

**Touch Screen User-Interface**

**Imaging Presets, Plus Optimization:**

Gain – Near, Mid, Far; Depth, Scale, Intensity, Contrast, Text annotations, Arrow, Measurements

**Image storage:** 8GB (+32,000 images) or optional additional storage up to 32GB

**Cine:** up to 6 secs, ~4MB

**Share Images:** Email or USB cable to PC

**Network Connectivity:** WiFi or cellular

**Battery:** 1300 mAh +, continuous scan time > 60 min

**Patient Data:** First name, Last name, ID, DOB, Picture

**Cold Start:** 45 seconds, instant on

**MobiUs Viewer:** Included, compatible with Windows 7, XP, Vista, free download

**Supported Transducers:**

3.5 and 5.0 MHz — Abdominal, OB/Gyn, Guidance procedures

7.5 and 12 MHz — Vascular, Small organs

**Standard Configuration in Soft Case:**

Smartphone with 8GB Micro-SD memory card, one transducer, USB cable, power cord, gel. Quick-Start Guide, Operator's Manual.

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