Product Specifications

KOSMOS

Dimensions

Torso:
150 (L) x 56 (W) x 35 (D) mm

Bridge:
216 (W) x 146 (H) x 59 (D) mm

Display

203.2 mm, gorilla glass, touch screen display

Resolution:
1920 x 1200 pixels

Weight

Torso: 227 grams
Bridge: 652 grams

Connectivity

802.11 a/b/g/n/ac
Wi-fi connectivity

DICOM connectivity

On-device processing—**no cloud connectivity required**

Transducer

High performance, high durability PZT-based **phased array**

Warranty

5-Year Warranty

Battery

Supports **90 minutes** of continuous scanning

System Storage

128 GB

IT Security

WIFI Security:
WPA, WPA2, WPA2-PSK

Device Security:
System & Admin Password

Software Security:
Qualcomm Secure Boot

Probe Cleanability

Validated to cleaning, **intermediate and high-level disinfection** per FDA guidelines, when using approved cleaning and disinfection chemicals and the process described in the User Guide

Durability

Both Torso and Bridge tested to **withstand a one-meter drop**

Premium materials selected for compatibility with harsh cleaning chemicals

Bridge: IP22 rated
Torso: IPX7 rated

Modality Worklist

The DICOM Modality Worklist integrates with hospital information systems for seamless patient management.

Ultrasound

B-mode, M-mode,
Color Doppler Imaging

Optimized for **high-resolution** and **high-penetration** cardiac, lung and abdominal imaging

Proprietary custom ASIC Technology

Advanced signal processing techniques found in large radiologic systems

3-Diagnostics Signal Synchronization

3 diagnostic signals (Ultrasound, Auscultation and ECG) time-synchronized via proprietary EchoNous ASIC

Visual Auscultation

Auscultation microphones integrated directly into probe face to enable simultaneous imaging and auscultation

High-fidelity analog signal conditioning, digitization and processing to produce high-quality sound + visual auscultation waveform display

AI-Assisted EF Workflow

Using deep learning techniques, Kosmos AI-assisted EF Workflow computes ejection fraction, stroke volume and cardiac output (ECG required for cardiac output)

Includes review and adjustment capabilities if needed

AI Trio

Auto-labeling: Real-time labeling of key cardiac structures for parasternal/apical cardiac views and the apical 4 chamber subcostal view.

Auto-grading: Using AI algorithms, the quality of images acquired will be graded for achieving optimal cardiac images in real-time.

Auto-guidance: AI algorithms will assist in real-time with positioning and orienting the probe with both visual and text cues.

ECG

Integrated 3-lead, single-channel ECG

High-fidelity analog signal conditioning, digitization and processing to produce high-quality ECG waveforms

Handle Controls

Adjust key imaging controls using the Capsense[1] buttons and slider on the handle.

Coming Soon[2]

- **Lung Auscultation**
- **CW & PW Doppler**
- **Med Ed platform**

These features will be activated on your KOSMOS as they become available.

Talk to your sales rep for additional information about CW & PW Doppler and Med Ed platform.

[1] Property of Cypress. [2] Future Developments | Works in Progress | MKT D008633 Rev C

Contact us at @echonous

kosmosplatform.com