

Dimensions

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

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

Display

8-inch, gorilla glass, touch screen display

Resolution:
1920 x 1200 pixels

Weight

Torso: 8 ounces
Bridge: 23 ounces

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 Trio¹

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 Capsense² buttons and slider on the handle.

Coming Soon³

- 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.

¹The Trio is a real-time automatic image labeling, grading and guidance system to enable the collection of images by healthcare practitioners, including those who are not trained in sonography, to address urgent image analysis needs during the declared COVID-19 public health emergency. The Trio is intended to be used by qualified healthcare professionals or under the supervision or in-person guidance of a trained or licensed healthcare professional. This feature has not been cleared by the FDA.² Property of Cypress. ³ Future Developments | Works in Progress
MKT D008525 Rev D