

KOSMOS Bridge

System Storage

128 GB

Battery

Supports **90 minutes** of continuous scanning

Handle Controls

Adjust key imaging controls using the CapSense² buttons and slider on the handle

Warranty

5-Year Warranty

Display

8-Inch, gorilla glass, touch screen display

Resolution:
1920 x 1200 pixels

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

Weight:
652 grams

Durability

Bridge tested to **withstand a one-meter drop**

Premium materials selected for compatibility with harsh cleaning chemicals

IP22 rated

Connectivity

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

DICOM connectivity

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

Modality Worklist

IT Security

WiFi Security:
WPA, WPA2, WPA2-PSK

Device Security:
System and Admin Password

Software Security:
Qualcomm Secure Boot

AI-Assisted EF Workflow¹

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

KOSMOS Torso

Probe

Torso

Transducer

High performance, high durability PZT-based phased array

Dimensions

Probe:
150 (L) mm
56 (W) mm
35 (D) mm

Footprint:
33.4 mm x 20.4 mm

Weight

241 grams

Durability

Tested to withstand a one-meter drop

Premium materials selected for compatibility with harsh cleaning chemicals

IPX7 rated

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

Ultrasound

B-mode, M-mode, Color Doppler Imaging, Continuous Wave Doppler, Pulsed Wave Doppler

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-Diagnostic Signals Synchronized

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

ECG: Integrated 3-lead, single-channel ECG. High-fidelity analog signal conditioning, digitization and processing to produce high-quality ECG waveforms

Warranty

5-year

Product Specifications

KOSMOS Torso-One

Probe	Dimensions	Durability	Ultrasound	Warranty
Torso-One	Probe: 150 (L) mm 56 (W) mm 35 (D) mm Footprint: 20.7 mm x 16 mm	Tested to withstand a one-meter drop Premium materials selected for compatibility with harsh cleaning chemicals IPX7 rated	B-mode, M-mode, Color Doppler Imaging, Continuous Wave Doppler, Pulsed Wave Doppler 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	5-year
Transducer	Weight	Cleanability		
High performance, high durability PZT-based phased array	225 grams	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		

KOSMOS Lexsa

Probe	Dimensions	Durability	Ultrasound	Warranty
Lexsa	Probe: 155 (L) mm 56 (W) mm 35 (D) mm Footprint: 38 mm x 8 mm	Tested to withstand a one-meter drop Premium materials selected for compatibility with harsh cleaning chemicals IPX7 rated	B-mode, M-mode Optimized for MSK, nerve, vascular and lung imaging Proprietary custom ASIC Technology Advanced signal processing techniques found in large radiologic systems	5-year
Transducer	Weight	Cleanability		
High performance, high durability, PZT-based linear array	235 grams	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		



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For US only: ¹ The 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. The AI-assisted EF Workflow uses AI to perform initial EF calculations 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 AI-assisted EF Workflow 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.