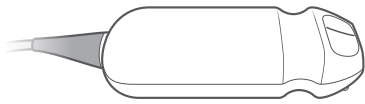


KOSMOS: A New Kind of Medical Tool

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KOSMOS TORSO 3-Signal Probe

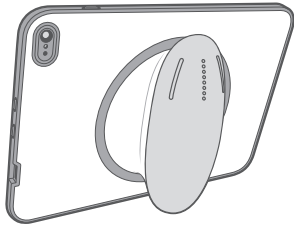
KOSMOS TORSO



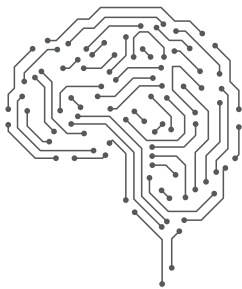
Weight	8 ounces (227 grams)
Design	Highly ruggedized design / Infection control resistant materials
Ultrasound Implementation	<ul style="list-style-type: none"> • Proprietary custom ASIC Technology • High-bandwidth / high-sensitivity phased array Torso probe; optimized for high-resolution / high penetration imaging; heart, lungs and abdomen • Pulsed & Continuous Wave Doppler (2nd release) • Advanced signal processing techniques found in large radiologic systems
Visual Auscultation	<ul style="list-style-type: none"> • High-performance microphones integrated inside Phased Array probe • High-fidelity analog signal conditioning, digitization and processing = high-quality sound + visual auscultation waveform display
ECG	<ul style="list-style-type: none"> • Highly integrated 3-lead ECG (Lead I, Lead II and Lead III) • High-fidelity analog signal conditioning, digitization and processing = produce high-quality ECG waveforms
Synchronization	<ul style="list-style-type: none"> • 3 signals time - synchronized via proprietary EchoNous ASIC • One – Step acquisition



KOSMOS BRIDGE



Weight	23 ounces (652 grams)
Design	Highly ruggedized design using premium materials selected to withstand harsh chemicals from infection control and/or harsh environments
Display	8-inch (20 cms) high-definition display
Battery Life	Supports 2 hours of continuous scanning
User Interface	Designed for frictionless UIF standard; includes single-hand usage & in motion
Processor	Latest Qualcomm Snapdragon 835 processor; Neural Processing Engine provides high computing power for on board deep learning algorithm computation
Wi-Fi	802.11ac connectivity
Connectivity	DICOM connectivity (EMR connectivity follows initial release)
Over-the-air updates	Core SW & Artificial Intelligence App modules



KOSMOS APPLIED ARTIFICIAL INTELLIGENCE

Heart Function Assessment	Automated Ejection Fraction, Stroke Volume and Cardiac Output Computation using deep learning techniques, clinically tested (study available)
AI-Driven Cardiac Acquisition *	<ul style="list-style-type: none"> Automated Anatomical Labeling (Heart V1) Automated Image Quality Grading (ACEP scale) Automated Acquisition Guidance
AI Application Module Library	<ul style="list-style-type: none"> Following initial release, KOSMOS will offer continuously released clinical, job-based AI modules Each AI module will be available for over the air download

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