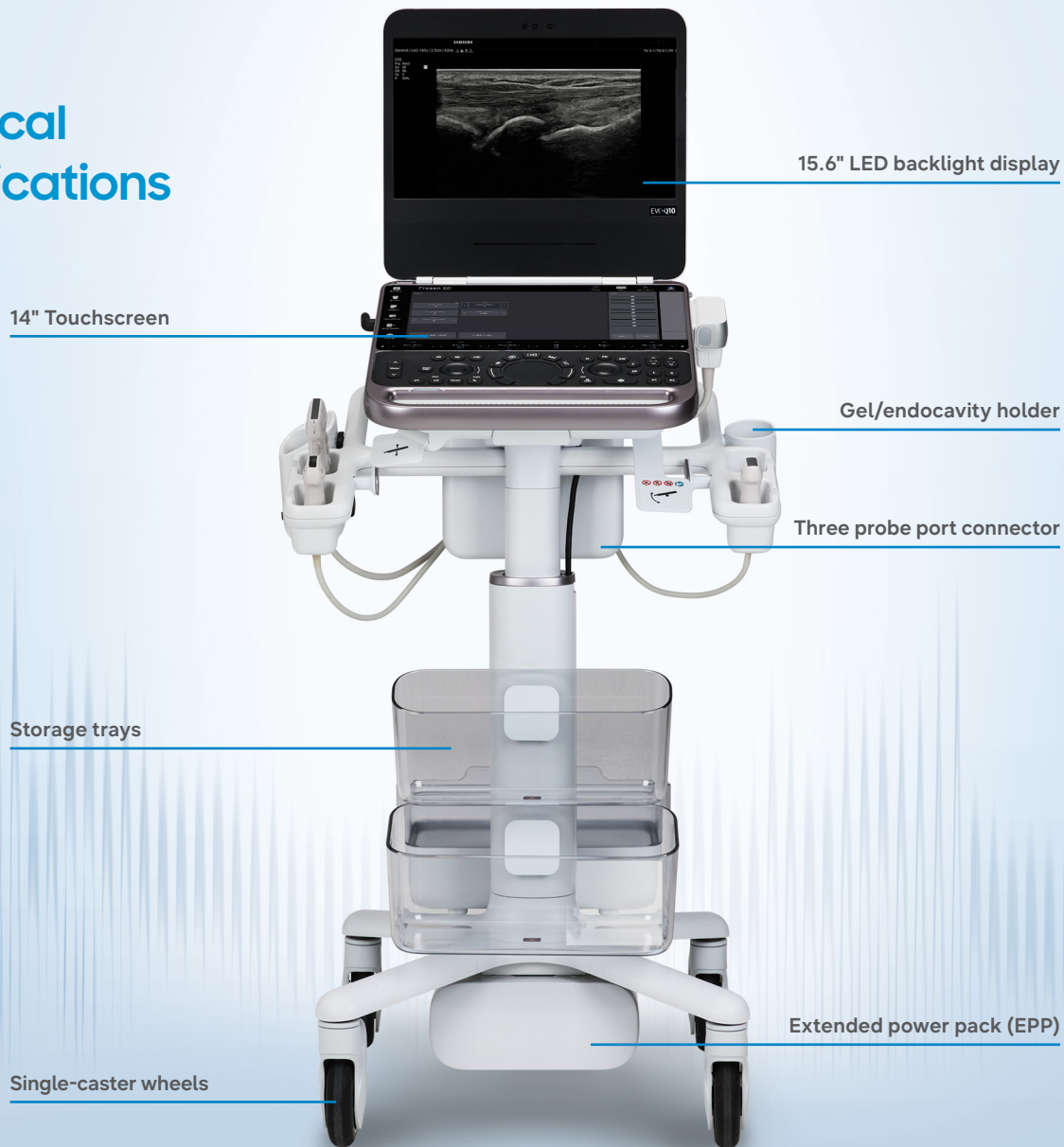


Q10

Technical Specifications



Key specifications

Dimensions & weight

Height: 2.3"-47.1" (w/ cart)	Depth: 15.6"-18.9" (w/cart)
Width: 14.9" - 22.9" (w/cart)	Weight: 11.0 lbs (one battery) 12.1 lbs (two battery) 50.7 lbs (cart)

Main display

15.6" LCD monitor	Contrast ratio: 1,200:1
Resolution: 1920 x 1080 x 24	
Viewing angle: 170° horizontal/ vertical	

Touchscreen

14" LCD in-cell capacitive touchscreen	Digital TCG/LCG controls
Resolution: 1920 x 1080 x 24	Virtual screen alphanumeric QWERTY keyboard

Control panel

Ergonomic hard key	Interactive backlighting
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Transducer ports

3-port probe connector	4 probe holders; multi-holder for endocavity probe and gel
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Connectivity

DICOM 3.0 compatible

Storage

Standard: 512 GB	Expanded Storage (optional): 1 TB or 2 TB
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Standard features

Imaging technologies

A-Focus™	ClearVision
MultiVision	Luminant™
HQ-Vision™	Free angle plane
MV-Flow™	Quick scan
LumiFlow™	Color auto gain
S-Flow	Wide angle

Clinical tools & measurements

Panoramic+™	BladderAssist™ (Vet only)
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Workflow solutions

EzExam+™	EzGuide™
EzPrep™	MyTune™
EzCompare™	Voice command
EzFlow™	RFA viewer
EzTrainer™	MirrorTouch™
EzStructure™	TouchSign™
EzDiagram™	

Cardiac features

CW function	Cardiac measurements
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DICOM

DICOM 3.0	MWL SCU
DICOM Q/R	SCP



Optional features

Advanced imaging

ArterialAnalysis™	NeedleMate+™
AutoIMT	NerveTrack™ (Vet only)
CEUS+	QUS
E-Strain™	S-Shearwave™
ElastoScan+™	
EzHRI™	

Cardiac advanced

AutoEF	HeartAssist™ (Vet only)
Strain+	
StressEcho	

Additional options

ADVR™	SonoSync™
EzPictogram™	ECG module
Mobile export	

Cart

Single-caster wheels	Cable management & hooks
Foot switch	
Storage trays front & back	Three probe port connector (optional)
Probe & gel holders, incl endocavity	ECG tray (optional)
	Printer & printer mount (optional)



Transducers

Continuous wave doppler

DP2B

Convex

CA4-10M Micro-convex

Curvilinear

CA1-7SD	CA2-8AD
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Linear

LA2-16S	LA3-22AI
LA2-16Sc (button)	LA2-9SD
LA3-16AD	L3-22
LA3-16ADc (button)	

Endocavity

EA2-11ARE/AVE	EV2-10A (volume)
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Phased array

PA1-5AED	PA2-9S
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TEE

TA2-9	MMPT3-7
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Clinical applications

Abdomen	Obstetrics
Bowel	Pediatrics
Cardiac	Small parts
Dermatology	Thoracic
Emergency	Transcranial doppler
Gynecology	Urology
Intraoperative	Vascular
Musculoskeletal	



Additional specifications

Electrical

Voltage: 100-240 VAC	Power: 440 VA (with Peripherals)
Frequency: 50/60 Hz	Max current: 4.5 A

System components

Windows 11	Mobile sleep: 30 sec.
Booting time: 110 sec.	

Battery

Total system run time with EPP: 6 continuous hours	Extended Power Pack (EPP) (optional)
Internal battery run time: 90 minutes	6 battery packs: ~ 4.5 hours

Connectivity

USB 2.0 (1 USB and 1 USB-C port)	Network: 10M/100M/1G BASE-T
USB 3.0 (3 USB and 1 USB-C ports)	Optional S-Video & audio
HDMI (2 ports)	Integrated WiFi

Cybersecurity

Windows Defender Antivirus	Secure erase for PHI
AppLocker whitelisting solution	Firewall
BitLocker™ SSD encryption	DICOM TLS 1.2
	Audit trail logs
	LDAP

Environmental

Operating: 10-35°C, 30-75% humidity	Storage: -25-60°C (system) -25-55°C (probe) 20-90% humidity
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**Bold blue type indicates
AI Assisted Tools**

SAMSUNG

Battery performance may vary depending on usage and environmental conditions.

The technical specification is a general summary of available product features. The final product may vary subject to user preference and options.

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