

The new
LOGIQ™ e Ultrasound
Simpler. Faster. Even more precise.



The LOGIQ e is a general-purpose, diagnostic ultrasound system for use by qualified and trained healthcare professionals for ultrasound imaging, measurement, display, and analysis of the human body and fluid. LOGIQ e is intended to be used in a hospital or medical clinic.

LOGIQ e clinical applications include: Ophthalmic, fetal/ob; abdominal (gyn and urology); pediatric; small organ (breast, testes, thyroid); neonatal and adult cephalic; cardiac (adult & pediatric); peripheral vascular; musculoskeletal conventional & superficial; transrectal; transvaginal; transesophageal; intraoperative (abdominal, thoracic, and peripheral); thoracic/pleural for motion and fluid detection and imaging guidance of interventional procedures (e.g. nerve block; vascular access).

General specifications

Console dimensions		
Height	Console only	47 mm (1.85 in)
Width	Console only	295 mm (11.61 in)
Length	Console only	375 mm (14.76 in)
Weight	With battery	4.5 kg (9.92 lbs)

Electrical power

Console

Voltage		100–240 VAC
Frequency		50/60 Hz
Power		Max 150 VA

Adapter (model MANGO150L 19AD-GE)

Voltage	Input	100–240 VAC
	Output	19 VAC
Frequency	Input	50/60 Hz
Power	Input	Max 175 VA
	Output	Max 7.9 VA

Mobile cart

Voltage	Input	100–240 VAC
	Output	19 VAC
Frequency	Input	Input: 50/60 Hz
Power	Input	Max 450 VA
	Output	Max 300 VA

Console design

Design style	Laptop
Battery	Lithium ion
Integrated solid-state drive	512 MB
Internal hard drive image storage capacity	300 MB
Cine memory	256 MB
CPU	Intel® Duo core
Operating system	Microsoft® Windows 10

Cart dimensions

Height		840–1140 mm (33.0–44.9 in)
Width		510.3 mm (20.1 in)
Depth		510.3 mm (20.1 in)
Weight	Without accessories	25.0 kg (55.0 lbs)
	Without accessories	32.5 kg (71.65 lbs)

User interface

Operator keyboard

Alphanumeric keyboard
Ergonomic hard keys
Backlit keys

Display screen

Screen size	15.6 inches, high-resolution
Resolution	1920x1080 pixels, color LCD
Horizontal/vertical viewing angle	+/- 85 degrees
Brightness adjustment	
Audio volume adjustment	
Interactive dynamic software menu	

Console interfaces

DC power input
USB 3.0 (3)
LAN 10/100/1000 BaseT
HDMI

Docking cart interfaces

AC power input
USB 2.0 (4)
Extended battery module
3 probe ports (optional)

System overview

Applications

- Abdominal
- Abdominal (gynecology)
- Adult cephalic
- Cardiac (adult and pediatric)
- Fetal/obstetrics
- Intraoperative (abdominal, thoracic, and peripheral)
- Musculoskeletal (conventional and superficial)
- Neonatal cephalic
- Nerve block
- Ophthalmic
- Pediatric
- Peripheral vascular
- Small organ
- Transesophageal
- Transrectal
- Transvaginal
- Thoracic/pleural
- Tissue biopsy
- Urology (including prostate)
- Vascular access (IV, PICC)

Transducer types

Convex array	C1-5-RS, 4C-RS
Microconvex array	8C-RS, E8C-RS
Linear array	ML6-15-RS, 9L-RS, 12L-RS, L4-12t-RS, L8-18i-RS, L10-22-RS, L4-20t-RS
Phased array	3Sc-RS, 6S-RS, 12S-RS, M5SC-RS ¹
TEE	6Tc-RS

Operating modes

- B-Mode
- M-Mode
- Anatomical M-Mode (AMM)/Color M-Mode
- Color Flow Mode (CFM)
- Power Doppler Imaging (PDI)
- Pulse Wave Doppler (PWD)
- Strain elastography

Optional operating modes *(cont.)*

- High-Res PDI
- Continuous Wave Doppler (CWD)
- Tissue Velocity Image/Tissue Velocity Doppler (TVI/TVD)
- Needle recognition
- Contrast²

Standard features

- Auto EF
- Automatic optimization
- Coded Harmonic Imaging (CHI)
- CrossXBeam™
- Customizable user interface
- DICOM® 3.0 connectivity/encrypted DICOM
- eDelivery
- Fetal trending
- Fine angle steer
- Full M&A calculation package with real time auto doppler calculations
- HD zoom
- Imaging Insights
- InSite™ ExC capability
- Loop storage from live scanning and from memory
- On-board user manual (Help)
- Patient information database
- Probe check
- Quick save
- Raw data processing
- Report writer package
- Scan assistant
- Speckle Reduction Imaging (SRI-HD)
- Strain elastography
- Virtual convex/virtual apex
- Standard calculations**
- Cardiac calculations
- Gynecological calculations
- Multi-gestational calculations
- Musculoskeletal and hip dysplasia calculations
- OB calculations and tables

Software features *(cont.)*

Standard calculations *(cont.)*

Pediatric calculations

Renal calculations

Rheumatology calculations

Small parts calculations

Urological calculations

Vascular calculations

Software options

Auto EF

Auto IMT

easy3D

eSmart trainer

Flow quantitative analysis

High-res PDI

LOGIQ View

Needle recognition

Ophthalmic

Patient follow-up tool with fusion

Scan assistant

Strain elastography

Stress echo

TVI/TVD

Hardware options

Footswitch

Printer

USB ECG (AHA/IEC)

Barcode scanner

Wireless adaptor

External DVD R/W storage

Cart options

- 3-probe port
- Extended battery
- Printer bracket
- Storage basket

Display modes

Simultaneous capability

- B/PW or TVI/TVD
- B/CFM or PDI
- B/M or AMM
- Dual B (B/B)
- Dual B + CFM or PDI

Display modes *(cont.)*

Simultaneous capability *(cont.)*

- Needle Recognition + CFM (PDI)
- Real-time Triplex Mode

Selectable alternating modes

- Needle Recognition
- B/M
- B/PW
- B/CW
- B + CFM (PDI)/M
- B + CFM (PDI)/PW
- B + CFM (PDI)/CW
- 3D Mode

Multi-image split screen

- Live and/or frozen
- B + B/CFM or PDI
- Independent Cine playback
- Conventional or widescreen display

Zoom

Read/write zoom

Colorized image

- Colorized B
- Colorized M
- Colorized PW
- Colorized CW

Timeline display

- Independent Dual B/PW/CW display
- Display formats: Top/bottom or side/side-selectable
- Format size: Vert1/3B, Vert1/2B, Vert2/3B, Horiz1/2B, Horiz1/4B, TL only format, switchable after freeze
- Update mode: Timed based on sweep

Quad screen display across from split screen

Virtual convex

Display annotation

Institution/hospital name

Date

3 types selectable: MM/DD/YY, DD/MM/YY, YY/MM/DD

Time

2 types selectable: 24 hours, 12 hours

Operator identification

Patient name

First, middle, last

Patient identification

64 characters

Gestational age from LMP/EDD/GA/BBT

Display annotation (cont.)

Power output readout	<ul style="list-style-type: none"> • MI: Mechanical index • TIS: Thermal index soft tissue • TIC: Thermal index cranial (bone) • TIB: Thermal index bone
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System status (real-time or frozen)

Probe orientation marker	Coincides with orientation marking on the image monitor
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Image preview

Gray/color bar

Cine gauge

Measurement summary window

Measurement results window	Pre-settable display location
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Probe type

Application name

Imaging parameters by mode (current mode/see below)

Caps lock on/off

System messages display

Trackball functionality status	Scroll, M&A (measurement and analysis), position size, scan area width, tilt
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Trackball



Trackpad

Trackpad	Scroll, M&A (measurement and analysis), position size, scan area width, tilt, multi-touch function for gain and depth.
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TCG functionality	Digital, illuminated touch panel, waterproof
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Battery status

Biopsy guide line and zone

Heart rate

System setup (cont.)

Languages for setup for UI	Brazilian Portuguese, Chinese, Danish, Dutch, English, Finnish, French, German, Greek, Italian, Japanese, Norwegian, Russian, Spanish, and Swedish
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Languages for manuals	Brazilian Portuguese, Chinese, Czech, English, French, German, Italian, Japanese, Spanish, Bulgarian, Croatian, Danish, Dutch, Estonian, Finnish, Greek, Hungarian, Indonesian, Korean, Latvian, Lithuanian, Norwegian, Polish, Portuguese, Romanian, Russian, Serbian, Slovakian, Swedish, Kazakh, Traditional Chinese, and Turkish
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Operation error message display

System boot up from standby	25 seconds
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Probe loading	<5 seconds
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Brightness Mode (B-Mode)

B-Mode provides real-time displays of a two-dimensional cross section of a three-dimensional soft tissue structure. Ultrasound echoes of different intensities are mapped to different grayscale or color values in the display.

Scan parameters	<ul style="list-style-type: none"> • B/M acoustic output: 0-100%; 2%, 5%, 10% increments • Image reverse: On/Off • B colorize: 9 types • Thermal index: TIC, TIS, TIB • Focus number: 8 in maximum, probe-dependent • Line density: 5 increments, probe-dependent • Frame average: 6 increments • Edge enhance: 7 increments • Angle (deg): 10-131 degrees, probe-dependent • Gray scale map: 12 types • Gain: 0-90 dB, 1 dB increments • Dynamic range: 36-96 dB, 3-6 dB increments • Harmonics: On/off • Virtual convex: On/off • Depth: 0.5-33 cm: Probe-dependent • Focus depth: -9 increments, probe-dependent • Rejection: 6 increments • Frequency: 3-5 increments, probe-dependent • Max. frame rate: >=1598 Hz
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System parameters

System setup

User programmable preset capability

Factory default preset data

Color Flow Mode (CFM) or Color Doppler

CFM provides a real-time, two-dimensional cross-section image of blood flow. Color gradient is used to represent directional blood flow (velocity, variance, power, and/or direction) prioritized over amplitude.

Scan parameters	<ul style="list-style-type: none">• Base line• Invert: On/Off• CF/PDI focus depth: 6 steps default pre-settable• CF/PDI acoustic output: 0–100%; 2%, 5%, 10% increments• Packet size: 8–24: Probe-dependent• Line density: 5 increments• Frame average: 7 increments• PRF: 0.3K–22K Hz, probe-dependent• Spatial filter: 6 steps• Gain: 0–40 dB, 0.5 dB increments• Wall filter: 4 steps: Application- and probe-dependent• Angle/width (deg, mm): Probe-dependent• CF/PDI vertical size (mm): Default pre-settable• CF/PDI center depth (mm): Default pre-settable• CF/PDI frequency: 2–4 steps, probe-dependent• CF/PDI focal number: 1• Color map: 14 types at most: Application and probe-dependent• Color threshold: 10–100%, 10% increments• Max. frame rate: 330 Hz
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Power Doppler Imaging Mode (PDI)

In PDI, color gradient is used to represent blood flow using amplitude shift vs. velocity shift (Color Doppler). Prioritizes amplitude over direction.

Scan parameters	<ul style="list-style-type: none">• PDI Map: 14 types• CF/PDI Acoustic Output: 0–100%; 2%, 5%, 10% increments• Packet Size: 8–24: Probe-dependent• Spatial Filter: 6 steps• Frame Average: 7 steps, probe-dependent• PRF: 0.3K–11.4K Hz: Depth-dependent• Power Threshold: 10–100%, 10% increments• CF/PDI Vertical Size: Default pre-settable• CF/PDI Center Depth: Default pre-settable• CF/PDI Focal Number: 1• Gain: 0–40 dB, 0.5 dB increments• Wall Filter: 4 increments, probe-dependent• CF/PDI Frequency: 2–4 increments, probe-dependent• Max. frame rate in duplex: 45 Hz
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High-Res PDI (optional)

High-Res PDI provides better hemodynamics visualization by combining effects of B-Mode and Color Flow Doppler using a proprietary equation.

Scan parameters	<ul style="list-style-type: none">• High-res PDI map: 11 types• High-res PDI acoustic output: 0–100%; 2%, 5%, 10% increments• Packet size: 8–20, probe-dependent• Spatial filter: 6 steps• Frame average: 7 steps, probe-dependent• PRF: 0.2K–25K Hz: Depth-dependent• Power threshold: 10–100%, 10% increments• High-res PDI focal number: 1• Gain: 0–40 dB, 0.5 dB increments• Wall filter: 4 increments, probe-dependent• High-res PDI frequency: 2–3 increments, probe-dependent
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Available on 9L-RS, 12L-RS, L4-12t-RS, L8-18i-RS, L10-22-RS, ML6-15, and L4-20t-RS probes.

M-Mode/Anatomical M-Mode (AMM)

In M-Mode, soft tissue structure is presented as a scrolling display, with depth on the Y-axis and time on the X-axis. AMM allows M-Mode on stored 2D cine clips. Facilitates arrhythmia assessment and cardiac measurements.

Scan parameters	<ul style="list-style-type: none">• Sweep Speed: 8 increments• M Color: 9 types• M/PW Display Format: V-1/3B, V-1/2B, V-2/3B, H-1/2B, H-1/4B, TL Only• B/M Acoustic Output: 0–100%; 2%, 5%, 10% increments• Rejection: 6 increments• Gray Scale Map: 12 types• M Gain: +/- 20 dB delta from B, 1 dB increments• Compression: 0.5–1.5, 0.1 increments
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Pulse Wave Doppler (PW)/Continuous Wave Doppler (CW) Mode

PW and CW are used for displaying the speed, direction, and spectral content of blood flow at selected anatomical sites.

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|-----------------|--|
| Scan parameters | <ul style="list-style-type: none">• Maximum and minimum velocity scales• PW<ul style="list-style-type: none">- Max: 870 cm/s, 19,800 Hz- Min: 15 cm/s, 700 Hz• CW<ul style="list-style-type: none">- Max: 1,460 cm/s, 40,000 Hz- Min: 40 cm/s, 2,100 Hz• Gray scale map: 8 types• Base line: 5–95%• SV gate: 1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16 mm: application dependent• Angle correct: +/- 90°, 1° step• Spectral color: 6 types• PW sweep speed: 8 increments• Invert: On/Off• M/PW display format: V-1/3B, V-1/2B, V-2/3B, H-1/2B, H-1/4B, TL only• PW acoustic output: 0–100%, 10% increments• Spectral averaging: 5 increments pre-settable• Rejection: 15 increments• Gain: 0-85 dB, 1 dB increments• Wall filter: 5.5–5,000 Hz, 27 increments, application- and probe-dependent• PW angle steer: 0 +/- 10, 15, 20°• PRF: 700–19,800 Hz with PW, 2, 100–40,000 Hz with CW• Sample volume depth: 33 increments, default pre-settable• Audio volume• PW frequency 2–4 steps: Probe-dependent |
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M-Color Flow Mode (M-CFM)

M-CFM overlays color on the M-Mode trace

Coded Harmonic Imaging (Tissue Harmonics) (CHI)

CHI enhances near-field resolution for improved small parts imaging as well as far-field penetration. Diminishes low-frequency amplitude noise and provides clarity to needle, anatomy, and motion.

Tissue Velocity Imaging (TVI)/Tissue Velocity Doppler (TVD)

TVI calculates and color-codes the velocities in tissues

TVD provides spectral information for selected Doppler sample

eSmart Trainer (optional)

Provides modules showing basic scanning techniques with graphics of probe position, anatomy, and example clinical images

Patient follow-up tool with fusion (optional)

Used for monitoring a patient's condition over time. Automatically recalls the imaging parameters, comments, and body patterns to be identical to your previous exam. Provides an alert if you use a different transducer than last time.

Works in B-Mode, Color Mode, and PDI

Quick save

A single button push sends a single image or entire patient exam to the memory stick or network.

Report writer

On-board reporting package automates report writing

Formats various exam results into a report suitable for printing or reviewing on a standard PC. Exam results include patient info, exam info, measurements, calculations, images, and comments.

Standard templates are provided and allows for customization

Needle recognition mode (optional)

Provides accurate display of the needle, anatomy, and motion even in Color and Power Doppler

Includes ability to adjust needle gain and angle

Available on all linear and convex probes

3D

Acquisition of color data provides the automatic rendering of B-Mode and CFM images in 3D

3D landscape

3D movie

Automatic optimization

Auto Tissue Optimization (ATO)

Auto Color Flow Optimization (ACO)

Auto Spectrum Optimization (ASO)

CrossXBeam

Provides 3, 5, 7, or 9 angles of spatial compounding

Live side-by-side DualView display

Compatible with Color Doppler, PW, SRI-HD, Coded Harmonic Imaging, Virtual Convex

Speckle Reduction Imaging (SRI-HD)

SRI-HD provides multiple levels of speckle reduction

Compatible with B-Mode, Color Doppler, and 3D imaging

LOGIQ View

Extended field-of-view (FOV) imaging allows viewing and measurement of anatomy that is larger than would fit in a single image. Requires a manual sweep over the anatomy of interest. Renders a panoramic image up to 60 cm, in long axis. Allows you to see a wider field of view for comparing normal to abnormal anatomy.

Virtual convex

Provides wider FOV in the far-field

Available on linear probes

Virtual apex

Provides wider FOV in the far-field

Available on sector probes

Measurements and calculations

B-Mode calculations

Distance

Circumference (ellipse/trace)

Area (ellipse/trace)

% Stenosis

Angle between two lines

Ratios

Depth from probe surface

M-Mode calculations

Distance

Time

Slope

Heart rate

Doppler calculations

Velocity

Frequency

Time

Acceleration

Heart rate

Auto doppler trace function with automatic calcs

Time averaged max/mean velocity

Ratios

PI (Pulsatility Index)

RI (Resistivity Index)

Vascular calculations

Upper/lower

Artery/vein

Summary worksheet

Obstetrics calculations

Gestational age calculation

Multi-generational calculation

EFW calculation

Summary worksheet

Fetal trend graph

Gynecology calculations

Ovarian follicle measurements

Summary worksheet

Urology calculations

Volume measurements

Summary worksheet

Musculoskeletal calculations

Labeled measurements

Cardiac calculations

Ventricle, atrium, valve measurements

Auto IMT: Automated measurement of the intima-media thickness of common carotid artery








Summary worksheet



Quantitative flow analysis

Helps quantify and evaluate the blood flow within a region of interest to assist with diagnosis and monitoring

Probes (all optional)

Transducer	Description	Applications	Imaging Frequency	Biopsy Guide
Linear array				
 <p>L10-22-RS</p>	Wide-band, high-frequency linear array	Peripheral vascular, pediatric, small organ, neonatal cephalic, small organ, nerve block, musculoskeletal conventional/superficial, vascular access (IV, PICC)	10.0–22.0 MHz	N/A
 <p>L4-12t-RS</p>	Wide-band linear array with four configurable buttons	Peripheral vascular, pediatric, small organ, neonatal cephalic, nerve block, musculoskeletal conventional/superficial, thoracic/pleural, ophthalmic, vascular access (IV, PICC), tissue biopsy	4.2–13.0 MHz	Multi-angle, free angle, and out-of-plane; reusable bracket, disposable sleeve
 <p>12L-RS</p>	Wide-band linear array	Peripheral vascular, pediatric, small organ, neonatal cephalic, nerve block, musculoskeletal conventional/superficial, thoracic/pleural, ophthalmic, vascular access (IV, PICC), tissue biopsy	4.2–13.0 MHz	Multi-angle, free angle, and out-of-plane; reusable bracket, disposable sleeve
 <p>L8-18i-RS</p>	Wide-band, high-frequency linear array with hockey-stick shape	Peripheral vascular, pediatric, small organ, neonatal cephalic, nerve block, musculoskeletal conventional/superficial, thoracic/pleural, vascular access (IV, PICC), tissue biopsy	6.7–18.0 MHz	N/A
 <p>9L-RS</p>	Wide-band linear array	Abdominal, peripheral vascular, pediatric, small organ, neonatal cephalic, nerve block, musculoskeletal conventional/superficial, thoracic/pleural, vascular access (IV, PICC), tissue biopsy	3.0–9.0 MHz	Multi-angle, free angle; reusable bracket, disposable sleeve
 <p>L4-20t-RS</p>	Ultra-wide band with XDclear™ linear array and four configurable buttons	Abdominal, peripheral vascular, pediatric, small organ, neonatal cephalic, nerve block, musculoskeletal conventional/superficial, thoracic/pleural, vascular access (IV, PICC), tissue biopsy	5.0–20.0 MHz	Multi-angle, free angle; reusable bracket, disposable sleeve
 <p>ML6-15-RS</p>	Active-matrix, wide-band linear array	Abdominal, peripheral vascular, pediatric, small organ, neonatal cephalic, nerve block, musculoskeletal conventional/superficial, thoracic/pleural, vascular access (IV, PICC), tissue biopsy	5.0–15.0 MHz	Multi-angle; reusable bracket, disposable sleeve

Transducer	Description	Applications	Imaging Frequency	Biopsy Guide
Phased array				
3Sc-RS 	Wide-band phased array	Abdominal, fetal/obstetrics, cardiac (adult and pediatric), peripheral vascular, urology (including prostate), pediatric, neonatal cephalic, adult cephalic, thoracic/pleural, ophthalmic, tissue biopsy	1.7–4.0 MHz	Multi-angle; reusable bracket, disposable sleeve
6S-RS 	Wide-band phased array	Abdominal, cardiac (adult and pediatric), peripheral vascular, pediatric, neonatal cephalic, adult cephalic, urology (including prostate), thoracic/pleural	3.0–7.0 MHz	N/A
12S-RS 	Wide-band phased array	Cardiac (pediatric), pediatric, neonatal cephalic, thoracic/pleural	4.1–12.0 MHz	N/A
M5Sc-RS 	XDclear active-matrix, phased array	Abdominal, fetal/obstetrics, cardiac, peripheral vascular, urology (including prostate), pediatric, neonatal cephalic, adult cephalic, thoracic/pleural, ophthalmic, tissue biopsy	1.8–4.5 MHz	Multi-angle; reusable bracket, disposable sleeve
6Tc-RS 	Wide-band phased array for transesophageal echocardiography	Cardiac	3.0–8.0 MHz	N/A
Convex array				
C1-5-RS 	Wide-band convex array	Abdominal, fetal/obstetrics, urology (including prostate), pediatric, neonatal cephalic, nerve block, musculoskeletal conventional/superficial, thoracic/pleural, tissue biopsy	2.0–5.0 MHz	Multi-angle; reusable bracket, disposable sleeve
4C-RS 	Wide-band convex array	Abdominal, fetal/obstetrics, urology (including prostate), pediatric, neonatal cephalic, nerve block, musculoskeletal conventional/superficial, thoracic/pleural, tissue biopsy	2.0–5.0 MHz	Multi-angle; reusable bracket, disposable sleeve

Transducer	Description	Applications	Imaging Frequency	Biopsy Guide
Linear array				
8C-RS 	Wide-band microconvex array	Abdominal, cardiac (adult and pediatric), peripheral vascular, pediatric, neonatal cephalic, small organ, nerve block, musculoskeletal conventional/superficial, ophthalmic, thoracic/pleural	4.2–11.0 MHz	N/A
88C-RS 	Wide-band microconvex array	Abdominal (GYN), fetal/obstetrics, urology (including prostate), tissue biopsy/fluid drainage, transrectal, transvaginal	4.2–10.0 MHz	Fixed angle; disposable (5° angle), reusable (0° angle)

Battery

Console battery charging information

Time to fully charge console batteries	210 minutes
Time fully charged console batteries will last	Up to 5 hours (3.5 hours on the cart)
Time a fully charged battery will last in standby mode	180 days

Extended battery charging information

Time to fully charge extended battery module	3.5 hours
Time a fully charged extended battery will last (scanning)	3 hours
Time a fully charged external battery will last in standby mode	180 days
Time a fully charged external battery and console batteries will last (scanning)	4.5 hours

Security

Cybersecurity

Encryption for patient data
DICOM TLS
Whitelisting
LDAP interface for user credentials
Customized policies for user accounts
Security for access control

Safety conformance

Certified to AAMI/ANSI ES60601-1:2005/(R)2012

Certified to CAN/CSA-C 22.2 No. 60601-1:14 by an SCC accredited Test Lab

CE Marked to Council Directive 93/42/EEC on Medical Devices

Compliant with EU Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE) requirement

Conforms to the following standards

- **IEC 60601-1:** Medical Electrical Equipment— Part 1: General Requirements for Basic Safety and Essential Performance
- **IEC 60601-1-2:** Medical electrical equipment— Part 1-2: General requirements for basic safety and essential performance— Collateral standard: Electromagnetic disturbances— Requirements and tests
- **IEC 60601-1-6:** Medical electrical equipment - Part 1-6 General requirements for safety— Collateral Standard: Usability
- **IEC 60601-2-37:** Medical electrical equipment Part 2-37: Particular requirements for the safety of ultrasonic medical diagnostic and monitoring equipment
- ISO 10993 Biological evaluation of medical devices
- NEMA UD3 Acoustic output display (MI, TIS, TIB, TIC)

About GE HealthCare

GE HealthCare is a leading global medical technology, pharmaceutical diagnostics, and digital solutions innovator, dedicated to providing integrated solutions, services, and data analytics to make hospitals more efficient, clinicians more effective, therapies more precise, and patients healthier and happier. Serving patients and providers for more than 100 years, GE HealthCare is advancing personalized, connected, and compassionate care, while simplifying the patient's journey across the care pathway. Together our Imaging, Ultrasound, Patient Care Solutions, and Pharmaceutical Diagnostics businesses help improve patient care from prevention and screening to diagnosis, treatment, therapy, and monitoring. We are an \$18 billion business with 51,000 employees working to create a world where healthcare has no limits.

Follow us on [Facebook](#), [LinkedIn](#), [Twitter](#), [Instagram](#) and [Insights](#) for the latest news, or visit our website [gehealthcare.com](https://www.gehealthcare.com) for more information.

References:

1. Not available in all regions. Contact your local GE HealthCare representative for more information and availability.
2. Contrast not available in the U.S.

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