

LOGIQ P9 R4.5 Product Spec Sheet (Global version)

DOC2728821

July 29, 2024

Dimensions and Weight	
Dimensions and Weight	Height Aution leting are with a green decay
	Height • Articulating monitor arm (standard)
	– Minimum: 1345 mm (53.0 inch)
	– Maximum: 1595 mm (62.8 inch)
	Width • Keyboard: 430 mm (16.9 inch)
	• Foot cover: 495 mm (19.5 inch)
Jan 1981	Monitor: 545 mm (21.5 inch; 23.8 Bezel-less LCD)
(051)	
111	Depth • Foot cover: 685 mm (27.0 in)
	• Rear handle: 740 mm (29.1 in)
4	Weight (max. load) • 83 kg/183 lbs
40	Weight (min. load) • 67 kg/148 lbs
Electrical Power	
Voltage: 100 – 240 Vac	
Frequency: 50/60 Hz	
Power consumption maximum of 500 VA	with peripherals
Maximum thermal output: 700 BTU/hr	
Console Design	
4 active probe ports (3 x RS and 1 x DLP)	
1 CW pencil probe port	
Probe light	
Integrated Solid State Drive (capacity: 500	GB)
Integrated DVD ± R/W multi drive (option	n)
On-board storage for B/W-printer	
Integrated speakers	
Wheels:	Wheel diameter: 125 mm
	 Locking mechanism that provides rolling lock and
	caster swivel lock
Probe holders, removable for cleaning and	d washing
Gel holder with integrated gel warmer (op	tion), removable for cleaning and washing
Integrated cable management	
Easily removable air filters	
Front and rear handles (option)	
User Interface	
Operator Keyboard	
Operating keyboard adjustable in two dim	nensions: • Height: 810-910 mm
	• Rotation: ±30°
Digital TGC with 8 independent controls a	nd digital A/N keyboard
·	6 mm spacing, integrated to the control panel with interface in local languag
Ergonomic hard key layout	
Multigestational Touch control	



Integrated recording keys for remote control of up to 8 periphe	ral devices or DICOM® devices
Touch Screen	
10.4" wide LCD, high resolution, color touch screen	
Interactive dynamic software menu	
Brightness adjustment	
User-configurable layout	
Monitor	
23.8inch Bezel-less LCD LED backlight monitor	
Tilt/rotate/translate	• Tilt angle +15°/-90°
	• Rotate angle ±90°
	Translate horizontal 660 mm
	Translate vertical 150 mm
Display colors: 16.7M	
Resolution: 1920 x 1080	
Fold-down and lock mechanism for transportation	
Brightness and contrast adjustment	
Horizontal/vertical viewing angle of ±178°	
Articulating monitor arm	
System Overview	
Applications	
Abdominal	
Obstetrical	
Gynecological	
Breast	
Small Parts	
Musculoskeletal and Superficial	
Vascular	
Urological	
Endocavitary	Transvaginal
	Transrectal
Pediatric and Neonatal	
Transcranial	
Transesophageal	
Cardiac	
Intraoperative	
Scanning Methods Electronic sector	
Electronic sector	
Electronic micro convex	
Electronic linear	
Real-time 4D volume sweep	
Transducer Types	
Sector phased array	
Convex array	
Microconvex array	
Linear array	
Matrix array	
Single CW (pencil) probes	
Volume probes (4D)	



Bi-plane array, one Linear and one Convex Transducers	
Operating Modes	
B-Mode	
Coded Harmonic Imaging	
M-Mode	
B/M-Mode	
Color Flow Mode (CFM)	
Coded Harmonic Imaging for B Mode/PW Doppler/Color Flo	w for variables as depth, resolution or Phase Inversion pulse
Power Doppler Imaging (PDI) with directional map	
PW Doppler with high PRF	
M-Color Flow Mode	
Anatomical M-Mode	
Curved Anatomical M-Mode	
B-Flow™/B-Flow Color Mode (option)	
Extended Field of View (LOGIQView, option)	
·	
B Steer+ (option) Coded Contrast Imaging (option)	
CW Doppler Mode (option)	
Tissue Velocity Imaging (TVI) Mode (option)	
Strain Elastography (option)	
SW DVR (option)	
Shear Wave Elastography (option)	
HD <i>live</i> ™ (option)	
UGAP (option)	
3D/4D Volume Modes:	• 3D static (option)
	• 4D real-time (option)
3D/4D Volumes/s:	• 3D and 4D maximum capacity of 109.2
	, ,
System Standard Features	<u> </u>
SSD disk partition of 345 GB for image storage without com	
Storage formats	DICOM: compressed/
	uncompressed, single/multi-frame, with/without raw
	data
	• Export JPEG, WMV (MPEG 4), and AVI formats
Advanced user interface with high resolution 10.4" wide LCD	touch panel
Automatic optimization	Auto tissue optimization
	Auto spectral optimization
	• Auto TGC
CrossXBeam™ compounding	
Speckle Reduction Imaging (SRI-HD)	
Fine angle steer	
Coded Harmonic Imaging	
Virtual convex	
Easy 3D	
Anatomical M-Mode	
Patient information database	
Image archive on integrated CD/DVD (option) and SSD	
Easy backup to media for data security	
,	



TruAccess, raw data processing and analysis Real-time automatic doppler calcs **OB** calcs Fetal trending Urological Calculation (Stepper Volume calculation prostate), joint use with Stepper-Grid system Multi gestational calcs Hip dysplasia calcs Gynecological calcs Vascular calcs Cardiac calcs Urological calcs Renal calcs InSite™ ExC capability, remote service iLinq capability, remote service On-board electronic documentation (PDF format) MPEGVue Key macro Network storage Quick save Quick patient entry Quick patient change Probe Check Start Assistant TIC motion tracking My Page My Trainer+ Email to MMS Reset Tricefy™ Privacy and Security Multigestational Touch control IOTA (International Ovarian Tumor Analysis) LR2 worksheet Note) IOTA is not available in USA, Japan and China. Vnav Import Doppler Assistant MyPreset SonoRenderLive External USB printer connection S-video Composite output **System Options** Auto IMT AutoEF Strain Elastography Elastography Quantification Advanced 3D with 3D landscape DICOM 3.0 connectivity **DICOM Viewer** LOGIQView B-Flow/B-Flow Color



Measure assist breast Measure assist OB Breast productivity package Thyroid productivity package B Steer+ Stress Echo Tissue Velocity Imaging (TVI) with Q-Analysis Scan assistant Compare assistant Cardiac Strain Report writer ECG ECG AHA cable ECG IEC cable CW Doppler Q-Path SW DVR Basic SW DVR **Storage: CD/DVD media** **Storage: USB memory stick Real-time 4D 4D TUI Static 3D VOCAL II VCI static STIC OmniView Offline scanning Shear Wave Elastography HD/ivee		
Measure assist OB Breast productivity package Thyroid productivity package B Steer + Stress Echo Tissue Velocity Imaging (TVI) with Q-Analysis Scan assistant Cardiac Strain Report writer ECG ECG ATA cable ECG HC cable CW Doppler Q-Path SW DVR Basic SW DVR Storage: CD/DVD media • Storage: USB memory stick Real-time 4D 4D TUI Static 3D VOCAL II VCI static STIC OMINION Offline scanning Shear Wave Elastography HIRSS CEUS LOGIQ P Apps (Software key only) AFI Coded Contrast (CEUS) Kolos Brasat Lesion Decision Support* Kolos Throid Lesion Decision Support* LOGAP HEAST CEUS SonoNI/SonoII Digital Expert High cabinet Low cabinet Drawer Side tray Small probe adaptor Vertical endocavitary probe holder Probe cable hanger Cable hook rear	CF/PDI Quantification	
Breast productivity package Thyroid productivity package B Steer+ Stress Echo	Measure assist breast	
Thyroid productivity package B Steer+ Stress Echo Tissue Velocity Imaging (TVI) with Q-Analysis Scan assistant Compare assistant Compare assistant Cardiac Strain Report writer ECG ECG AHA cable ECG IEC cable CW Doppler Q-Path SW DVR Basic SW DVR Basic SW DVR Storage: CD/DVD media • Storage: CB/DVD media • Storage: USB memory stick Real-time 4D 4D TUI Static 3D VOCAL II VCI static STIC Omniview Offline scanning Shear Wave Elastography HID/We HIRES CEUS LOGIQ P Apps (Software key only) AFI Coded Contrast (CEUS) Koics Breast Lesion Decision Support ⁴ Koics Princid Lesion Decision Support ⁴ Koics Princid Lesion Decision Support ⁴ HIGHA Cable LOGIA P High Cable UGAP High Cable Low cabinet Drawer Side tray Small probe adaptor Vertical endocawitary probe holder Probe cable hanger Cable hook rear	Measure assist OB	
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Vertical endocavitary probe holder Probe cable hanger Cable hook rear		
Probe cable hanger Cable hook rear		
Cable hook rear		
Card reduct mounting kit	-	
	Cara reader mounting kit	



Paper tray OPIO tray Gel warmer Multipurpose holder Physical A/N keyboard **Peripheral Options** Integrated mounting kits and remote controls provided for B/W digital thermal printer Digital color A6 thermal printer Digital color A5 thermal printer Barcode reader (for reading needle information) (H43132LZ) Wireless LAN card for wireless data transfer LOGIQ P apps (Bluetooth) HDMI output available for compatible devices Foot switch, with programmable functionality, 3-pedal (H46732LF) Universal video converter - UVC S300 Global (H42832LJ) - UVC S300 Japan (H42832LK) with Destination set Japan (H46712LY) and UVC AC Adapter for JPN (Z72112FB) Power assistant (battery or extended battery option) for offline scanning - Extended battery option (H42902LM) - Battery option (H42832LG) Isolation transformer (H48671WN) Ethernet protection cable (H43272LJ) EMI filter, Power supply noise filter (H46162LH) UPS 120V, Powervar144k120v MG UPS (H4913UP) UPS 230V, Powervar144k 230V MG UPS (H4921UP) **Display Modes** Live and stored display format: full size and split screen - both with thumbnails. For still and CINE Review image format: 4x4, and "thumbnails." For still and CINE Simultaneous capability • B/PW • B/CFM or PDI • B/M • B + CFM/M • Real-time Triplex Mode (B + CFM or PDI/PW or CW) • B-Flow + PW • Dual B (B/B) Selectable alternating modes B/M • B/PW • B + CFM/M • B + CFM (PDI)/PW (CW) • B-Flow + PW • 3D – Mode • 3D - Mode Color B/CW • B + CFM (PDI)/CW Multi-image split screen (quad screen) • Live and/or frozen • B + B/CFM or PDI • PW/M Independent CINE playback



Zoom: write/read/pan	
Colorized image	• Colorized B
	Colorized M
	Colorized PW
	Colorized CW
	Colorized B-Flow
Time line display	
Independent dual B/PW display	
CW	
Display formats:	Top/bottom selectable
	format (size: 1/2:1/2; 1/3:2/3; 2/3:1/3)
	• Side/side selectable format (size: 1/2:1/2; 1/3:2/3; 0:1)
	switchable after freeze
Timeline only	
Virtual convex	
CrossXBeam	
Tissue Velocity Imaging (TVI) Mode	
Elastography and simultaneous B/Elasto	
UGAP/SWE simultaneous	
Display Annotation	
	store 27 characters. Up to 64 total characters displayed
Patient ID: 31 characters. Up to 27 characters d	
2nd patient ID	-17
Age, sex and date of birth	
Hospital name: 23 characters	
Date format:	• MM/DD/YY
3 types selectable	• DD/MM/YY
5 types selectuble	• YY/MM/DD
	THYWWYDD
Time format:	• 24 hours
2 types selectable	• 12 hours
Gestational age from LMP/EDD/GA/BBT	
Probe name	
Map names	
Probe orientation	
Depth scale marker	
Lateral scale marker	
Focal zone markers	
Image depth	
Zoom depth	
B-Mode	• Gain
	Dynamic range
	Imaging frequency
	• Edge enhance
	Frame averaging
	• Gray map
	• ATO on/off
	• SRI-HD
	ן• אוו-ווט
	• CrossXBeam



Mode	• Gain
	Dynamic range
	• Time scale
ppler Mode	• Gain
	• Angle
	Sample volume depth and width
	Wall filter
	 Velocity and/or frequency scale
	Spectrum inversion
	• Time scale
	• PRF
	Doppler frequency
lor Flow Mode	Line density
	Frame averaging
	Packet size
	Color scale: 3 types
	– Power
	– Directional PDI
	– Symmetrical velocity imaging
	Color velocity range and baseline
	Color threshold marker
	Color gain
	• PDI
	Color scale inversion
	Color doppler frequency
C curve	
oustic frame rate NE gage, image number/frame number	
R counter and status	
dy pattern: multiple human and animal types	
plication name	
easurement results	
erator message	TIC TI LL C (CT)
played acoustic output	TIS: Thermal Index Soft Tissue TIG: Thermal Index Conside (Page)
	TIC: Thermal Index Cranial (Bone)
	TIB: Thermal Index Bone Mt. Mark and address
	MI: Mechanical Index
of power output	
psy guide line and/or zone art rate	
eneral System Parameters	
stem Setup	
ore-programmable categories	
· · ·	sted or user-configurable protocols to optimize workflow
ctory default preset data	
	, Portuguese, Russian, Greek, Swedish, Danish, Dutch, Finnish,
uages: English, French, German, Spanish, Italian, vegian, Japanese (message only), Chinese (messa	_

OB report format: 5 types, Tokyo Univ., Osaka Univ., USA, Europe, and ASUM



EFBW: 10 types, Japan, USA and Europe (Tokyo Uni., Osaka Univ., Tokyo Shinozuka, JSUM, German, Shepard, Merz, Hadlock/Shepard, Williams, Brenner)

Pre-defined annotations and user programmable

User defined libraries/annotations

Body patterns

Customized comment home position

Complete User Manual Available On Board Through Help

User manual and service manual are included in eDoc USB stick with each system. A printed manual is available upon request.

CINE memory: 776 MB Selectable CINE sequence for CINE review Prospective CINE mark Measurements/calculations and annotations on CINE playback Scrolling timeline memory CINE capture function Digital continuous CINE capture Dual image CINE display Quad image CINE display CINE gauge and CINE image number display CINE review loop CINE review speed: 10 steps (11, 13, 14, 17, 22, 25, 31, 100, 200, 400%)
Prospective CINE mark Measurements/calculations and annotations on CINE playback Scrolling timeline memory CINE capture function Digital continuous CINE capture Dual image CINE display Quad image CINE display CINE gauge and CINE image number display CINE review loop
Measurements/calculations and annotations on CINE playback Scrolling timeline memory CINE capture function Digital continuous CINE capture Dual image CINE display Quad image CINE display CINE gauge and CINE image number display CINE review loop
Scrolling timeline memory CINE capture function Digital continuous CINE capture Dual image CINE display Quad image CINE display CINE gauge and CINE image number display CINE review loop
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Dual image CINE display Quad image CINE display CINE gauge and CINE image number display CINE review loop
Quad image CINE display CINE gauge and CINE image number display CINE review loop
CINE gauge and CINE image number display CINE review loop
CINE review loop
-
CINE review speed: 10 steps (11, 13, 14, 17, 22, 25, 31, 100, 200, 400%)
Image Storage
On-board database of patient information from past exams
Storage formats: • DICOM: compressed, uncompressed, single/multi-
frame, with/without Raw Data
Storage formats: (cont.) • Export JPEG, JPEG2000, WMV (MPEG 4), and AVI
formats
DICOM still image storage size: ~2.1 MB
Gray image: ~1.3 to ~3.5 MB
Color image: ~1.8 to ~5.0 MB
Display format: full size, 4x4 and "thumbnails"
Storage devices: • Internal Solid-State Drive partition of 345 GB for
image storage
• External USB 2.0 hard drive support for import,
export, DICOM read, SaveAs and MPEGVue
USB memory stick support for SaveAs and MPEGVue
(64 MB to 4 GB)
• CD-R storage: 700 MB
• DVD storage: -R (4.7 GB)
Conversion to formats: JPEG, AVI, WMV
Live image and stored image side-by-side display
Compare old images with current exam
Reload of archived date sets
Network storage support for import, export, DICOM read, SaveAs, MPEGVue Connectivity & DICOM



Privacy and Security	Password Policies
	 Provides the ability to specify password policies for
	user accounts
	Session Management
	Lock screen after minutes (configurable)
	Hard Disk Encryption
	Encrypts patient data archive partition
	Provides whitelisting type malware protection
	TPM Support for security
DICOM 3.0 (option)	• Verify
	• Print
	• Store
	Modality worklist
	Storage commitment
	Modality Performed
	Procedure Step (MPPS)
	Media exchange
	Off network/mobile
	storage queue
	Query/retrieve
	Structured reporting
	Public SR template
	• Structured reporting – compatible with vascular and
	OB standard
	Direct export DICOM SR and XML
	Media store of SR
	• InSite ExC capability
Ethernet network connection	
Wireless LAN (option)	
LOGIQ P Apps	
Physiological Input Panel	
Physiological input	
ECG, 2 lead	
Dual R trigger	
Pre-settable ECG R delay time	
Re-settable ECG position	
Adjustable ECG gain control	
Automatic heart rate display	
Scanning Parameters Digital P-Agile beamformer architecture	
1,068,646 system processing channels	
Max. frame rate up to 3229 F/s	
Displayed imaging depth: 0 – 48 cm	
Minimum Depth of Field: 0 – 1 cm (zoom, probe de	ependent)
Maximum Depth of Field: 0 – 48 cm (probe depend	
Transmission focus: 1 – 8 focal points selectable (pr	
Quad beamforming	and application dependency
Continuous dynamic receive focus/aperture	
Multi-frequency/wideband technology	
Frequency range: 2 – 22 MHz, probe independent,	system handwidth 1 - 25 MHz
rrequericy range. 2 – 22 MHz, probe independent,	System Dandwidth 1 - 23 MITZ



256 shades of gray

Dynamic range > 400dB in system level (composite dynamic level)

Adjustable dynamic range

Adjustable Field Of View (FOV): Up to 168 degree (depending on probe)

Image Reverse: right/left

Image rotation: 4 steps of 0°, 90°, 180°, 270°

Digital B-Mode

Acoustic power output: 0 – 100%, 25 steps

Gain: from 0 – 90 dB, 1 dB step

Dynamic range: 36 - 96 dB, 3 dB or 6 dB steps

Frame averaging: 8 steps Gray scale map: 7 types

Tint map: 9 types

Frequency: up to 5 selectable (depending on probe)

Speed of sound (probe, application dependent)

Line density: 5 steps

Line density zoom: 5 steps Thermal index: TIC, TIS, TIB

Image reverse: on/off
Focus number: 8 steps

Focus width: 3 types Suppression: 6 steps Edge enhance: 7 steps

Rejection: 6 steps
Steered linear: ±12°

Scanning size (FOV or angle – depending on the probe)

SRI-HD: up to 6 levels selectable

CrossXBeam: up to 9 angles selectable

Depth: 1 – 48 cm, 1 cm step, probe dependent

Digital M-Mode

B/M-Mode frame rate: 1000 fps Gain: -20 – 20 dB, 1 dB step Compression: 0.5 – 2.4, 13 steps

Sweep speed: 0 - 7, 8 steps

Frame averaging

Gray scale map: 7 types M colorization: 9 types

Frequency Line density

Scanning size (FOV or angle – depending on probe, see probe specifications)

Rejection: 6 steps

M/PW display format: V-1/3B, V-1/2B, V-2/3B, H-1/2B, H-1/4B, timeline only

Anatomical M-Mode

M-Mode cursor adjustable at any plane

Can be activated from a CINE loop, from a live or stored image

M & A capability

Available with Color Flow Mode

Curved Anatomical M-Mode

Digital Spectral Doppler Mode



Adjustable:

• Acoustic power: 0 – 100, 25 steps
• Gain: 0 – 85, 86 steps

Gray scale map: 8 types

• Transmit frequency: up to 5 steps, depends on probe

• Wall filter: 5.5 – 5000 Hz, 27 steps

PW colorization: 6 typesVelocity scale range: 8 stepsSweep speed: 8 steps

• Sample volume length: 1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 14,

16 mm

• Angle correction: ±90°, 1° step

Steered linear: 7 stepsSpectrum inversion: on/offTrace method: 3 steps

Baseline shift: 5 to 95%, 11 steps
Doppler auto trace: 3 steps
Compression: 12 steps
Trace direction: 3 steps

• Trace sensitivity: 21 steps

Digital Color Flow Mode

Color Flow Mode (CFM) frame rate: 578 fps

Baseline: 0 - 100%, 11 steps

Invert: on/off

CF/PDI focus depth: default pre-settable for 10 - 100% of ROI in depth, 6 steps

CF/PDI flash suppression: 5 steps

CF/PDI angle steer: 0, ±20°

Packet size: 8 – 24, dependent on probe and application

Line density: 5 steps

Line density zoom: 5 steps

Frame average: 7 steps

PRF: 0.1 - 23.5 kHz/20 steps

Spatial filter: 6 steps

Gain: 0 – 40 dB, 0.5 dB steps

Composite dynamic range: 174 - 270 dB, 3 dB or 6 dB steps

Wall filter: 4 steps, dependent on probe and application

Scanning size (FOV or angle): probe dependent

CF/PDI vertical size (mm) of ROI: default pre-settable

CF/PDI center depth (mm) of ROI: default pre-settable

CF/PDI frequency: up to 5, depending on probe

Color maps, including velocity-variance maps: 20 types depending on application

Transparent: 5 steps

Color threshold: 0 - 100%, 11 steps

Arbitration threshold: 15 steps pre-settable

Auto line density: on/off pre-settable

PW/CF ratio: 1, 2, 4
Accumulation: 8 steps

Quantification

Digital Power Doppler Imaging

PDI map: 16 types

CF/PDI focus depth: default pre-settable for 10 – 100% of ROI in depth, 6 steps

CF/PDI acoustic output: 0 – 100%, 10% steps



CF/PDI angle steer. 0, 2.20° Packet size. 8 – 24, dependent on probe and application Spatial filter. 6 steps Frame average: 7 steps PR: 0.1 – 2.55 ktdr.20 steps Power threshold: 0 = 100%, 11 steps Arbitration threshold: 15 steps pre-settable Gain: 0 – 40 db, 0.5 db steps Wall filter. 4 steps depending on probe and application CF/PDI frequency. up to 5 steps, depending on probe Auto line density: on/off pre-settable Transparent: 5 steps Invert: on/off Accumulation: 8 steps Flash suppression PW/CW Wave Doppler Velocity scale: • Max. 10.34 m/s Angle correct: 90°, 1° step Spectral color: 6 types Pyes seed: 90°, 1° step Spectral color: 6 types Pyes seed: 90°, 1° step Spectral color: 6 types Pw sween speech 8 steps Invert: on/off M/PW display format: V-1/38, V-1/28, V-2/38, H-1/28, H-1/48, timeline only Duplec: on/off (PW only) PW/CF ratio: 1, 2, 4 Gain: 0 – 85 dB, 1 dB steps Mall filter: 55 – 5000 Hz, 27 steps, dependent on probe and application PW angle steer: 0, ±10, 15, 20° PPR: 0.5 – 26 kHz with PW, 0.4 – 49.0 kHz with CW Sample volume depth: 30 steps default pre-settable CW-Mode is available on the following probes: **SSC-RS** **SSC-RS** **SSC-RS** **SSC-RS** **P2D** **P8D** **P9D** **Section** **Jest and the steps of the step of the		
Spatial filter: 6 steps Frame average: 7 steps PR: 0.1 - 2.35 kHz/20 steps Power threshold: 0 - 100%, 11 steps Arbitration threshold: 15 steps pre-settable Gain: 0 - 40 db, 0.5 db steps Wall filter: 4 steps depending on probe and application CF/PDI frequency: up to 5 steps, depending on probe Auto line density: on/off pre-settable Transparent: 5 steps Invert: on/off Accumulation: 8 steps Flash suppression PW/CW dave Doppler Velocity scale: • Max. 10.34 m/s • Min. 0.06 m/s Gray scale map: 8 types Baseline: 5 - 95%, 11 steps SV gate: 1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16 mm Angel correct: + 90°, 11° step Spectral color: 6 types PW sweep speed: 8 steps Invert: on/off M/PW display format: V-1/38, V-1/28, V-2/38, H-1/2B, H-1/4B, timeline only Duplex: on/off (PW only) PW/CF ratio: 1, 2, 4 Gain: 0 - 85 db, 1 db steps Wall filter: 5.5 - 5000 Hz, 2.7 steps, dependent on probe and application PW angle steer: 0, ±10, 15, 20° PRE: 0.5 - 26.7 kHz with PW, 0.4 - 49.0 kHz with CW Sample volume depth: 30 steps default pre-settable CW-Mode is available on the following probes: • 35c-RS • 65 RS • 125 RS • P2D • P8D • P6D Steerable CW Mode includes Transmit frequency CW colorization Velocity scale range Spectrum inversion Trace method Doppler auto trace Trace direction Trace sensitivity	CF/PDI angle steer: 0, ±20°	
Frame average: 7 steps PRF: 0.1 – 23.5 kHz/20 steps Power threshold: 0 – 100%, 11 steps Arbitration threshold: 15 steps pre-settable Gain: 0 – 40 db, 0.5 dB steps Wall filter: 4 steps depending on probe and application CF/PDI frequency: up to 5 steps, depending on probe Auto line density: on/off pre-settable Transparent: 5 steps Invert: on/off Accumulation: 8 steps Invert: on/off Recumulation: 8 steps Plash suppression PW/CW wave Dopler Velocity scale: • Max. 10.34 m/s • Min. 0.06 m/s Gray scale map: 8 types Baseline: 5 – 95%, 11 steps SV gate: 1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16 mm Angel correct: 4 90°, 1° step Spectral color: 6 types PW sweep speed: 8 steps Invert: on/off MYPW display format: V-1/3B, V-1/2B, V-2/3B, H-1/2B, H-1/4B, timeline only Duplex: on/off (PW only) PW/CF ratio: 1, 2, 4 Gain: 0 – 85 dB, 1 dB steps Wall filter: 55 – 5000 Hz, 27 steps, dependent on probe and application Wall application On Steerable CW Mode includes Transmit frequency CW colorization Velocity scale range Spectrum inversion Trace method Doppler auto trace Trace direction Trace sensitivity	Packet size: 8 – 24, dependent on probe and application	
PRF: 0.1 – 23.5 kHz/20 steps Power threshold: 0 = 100%, 11 steps Arbitration threshold: 15 steps pre-settable Gain: 0 – 40 dB, 0.5 dB steps Wall filter: 4 steps depending on probe and application CF/PDI frequency: up to 5 steps, depending on probe Auto line density: on/off pre-settable Transparent: 5 steps Invert: on/off Accumulation: 8 steps Hash suppression PW/CW Wave Doppler Velocity scale: - Max. 10.34 m/s - Min. 0.06 m/s Gray scale map: 8 types Baseline: 5 – 95%, 11 steps SV gate: 1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16 mm Angel Correct: 2 90°, 1° step Spectral color: 6 types PW sweep speed: 8 steps Invert: on/off M/PW display format: V-1/3B, V-1/2B, V-2/3B, H-1/2B, H-1/4B, timeline only Duplex: on/off (PW only) PW/CF ratio: 1, 2, 4 Gain: 0 – 85 dB, 1 dB steps Wall filter: 55 – 5000 Hz, 27 steps, dependent on probe and application PW angle steer: 0, ±10, 15, 20° PRR: 0.5 – 26.7 kHz with PW, 0.4 – 49.0 kHz with CW Sample volume depth: 30 steps default pre-settable CW-Mode is available on the following probes: - 35c-RS - 125-RS - P20 - P8D - P6D Steerable CW Mode includes Transmit frequency CW colorization Velocity scale range Spectrum inversion Trace method Doppler auto trace Trace direction Trace sensitivity	Spatial filter: 6 steps	
Power threshold: 0 – 100%, 11 steps Arbitration threshold: 15 steps pre-settable Gain: 0 – 40 & 0, 5 d 8 steps Wall filter: 4 steps depending on probe and application CF/PDI frequency. up to 5 steps, depending on probe Auto line density on/off pre-settable Transparent: 5 steps Invert: on/off Accumulation: 8 steps Flash suppression PW/CW Wave Doppler Velocity scale: - Max. 10.34 m/s - Min. 0.06 m/s Gray scale map: 8 types Baseline: 5 – 95%, 11 steps Sy gate: 1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16 mm Angel correct: ± 90°, 19 step Spectral color: 6 types PW sweep speed: 8 steps Invert: on/off MYPW display format: V-1/38, V-1/28, V-2/38, H-1/28, H-1/48, timeline only Duplex: on/off (PW only) PW/CF ratio: 1, 2, 4 Gain: 0 – 85 & 1 d 8 steps Wall filter: 5.5 = 5000 Hz, 27 steps, dependent on probe and application PW angle steer: 0, ±10, 15, 20° PRR: 0.5 – 2.6 x Hz with PW, 0.4 – 49.0 kHz with CW Sample volume depth: 30 steps default pre-settable CW-Mode is available on the following probes: - \$35c-RS - 125-RS - P2D - P8D - P6D Steerable CW Mode includes Transmit frequency CW colorization Velocity scale range Spectrum inversion Trace method Doppler auto trace Trace direction Trace sensitivity	Frame average: 7 steps	
Arbitration threshold. 15 steps pre-settable Gain: 0 – 40 d8, 05 d8 steps Wall filter: 4 steps depending on probe and application CF/PDI frequency: up to 5 steps. depending on probe Auto line density: on/off pre-settable Transparent: 5 steps Invert: on/off Accumulation: 8 steps Flash suppression PW/CW Wave Doppler Velocity scale:	PRF: 0.1 – 23.5 kHz/20 steps	
Gain: 0 – 40 dB, 0.5 dB steps Wall filter: 4 steps depending on probe and application CF/PDI frequency: up to 5 steps. depending on probe Auto line density: on/off pre-settable Transparent: 5 steps Invert: on/off Accumulation: 8 steps Flash suppression PW/CW Wave Doppler Velocity scale: Gray scale map: 8 types Baseline: 5 – 95%, 11 steps SV gate: 1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16 mm Angel correct: ± 90°, 1° step Spectral color 6 types PW sweep speed: 8 steps Invert: on/off MPW display format: V-1/3B, V-1/2B, V-2/3B, H-1/2B, H-1/4B, timeline only Duplex: on/off (PW only) PW/CF ratio: 1, 2, 4 Gain: 0 – 85 dB, 1 dB steps Wall filter: 5.5 – 5000 Hz, 27 steps, dependent on probe and application PW angle steer: 0, ±10, 15, 20° PRF: 0.5 – 26' kHz with PW, 0.4 – 4.90 kHz with CW Sample volume depth: 30 steps default pre-settable CW-Mode is available on the following probes: - 65-RS - 125-RS - P2D - P8B - P6D Steerable CW Mode includes Transmit frequency CW colorization Velocity scale range Spectrum inversion Trace method Doppler auto trace Trace direction Trace sensitivity	Power threshold: 0 – 100%, 11 steps	
Wall filter: 4 steps depending on probe and application CF/PDI frequency: up to 5 steps, depending on probe Auto line density: on/off pre-settable Transparent: 5 steps Invert: on/off Accumulation: 8 steps Flash suppression PW/CW Wave Doppler Velocity scale: - Max. 10.34 m/s - Min. 0.06 m/s Gray scale map: 8 types Baseline: 5 – 95%, 11 steps SV gate: 1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16 mm Angel correct: ± 90°, 1° step Spectral color: 6 types PW sweep speed: 8 steps Invert: on/off M/PW display format: V-1/3B, V-1/2B, V-2/3B, H-1/2B, H-1/4B, timeline only Duples: on/off (PW only) PW/CF ratio: 1, 2, 4 Gain: 0 – 85 dB, 1 dB steps Wall filter: 55 – 5000 Hz, 27 steps, dependent on probe and application PW angle steer: 0, ±10, 15, 20° PRF: 0.5 – 26.7 kHz with PW, 0.4 – 49.0 kHz with CW Sample volume depth: 30 steps default pre-settable CW-Mode is available on the following probes: - 3Sc-RS - 6S-RS - 12S-RS - P2D - P8D - P6D Steerable CW Mode includes Transmit frequency CW colorization Velocity scale range Spectrum inversion Trace method Doppler auto trace Trace direction Trace sensitivity	Arbitration threshold: 15 steps pre-settable	
CE/PDI frequency: up to 5 steps, depending on probe Auto line density: on/off pre-settable Transparent: 5 steps Invert: on/off Accumulation: 8 steps Flash suppression PW/CW Wave Doppler Velocity scale:	Gain: 0 – 40 dB, 0.5 dB steps	
Auto line density: on/off pre-settable Transparent: 5 steps Invert: on/off Accumulation: 8 steps Flash suppression PW/CW Wave Doppler Velocity scale: - Max. 10.34 m/s - Min. 0.06 m/s Gray scale map: 8 types Baseline: 5 - 95%, 11 steps Sy ogate: 1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16 mm Angel correct: ± 90°, 1° step Spectral color: 6 types PW sweep speed: 8 steps Invert: on/off M/PW display format: V-1/3B, V-1/2B, V-2/3B, H-1/2B, H-1/4B, timeline only Duplex: on/off (PW only) PW/CF ratio: 1, 2, 4 Gain: 0 - 85 dB, 1 dB steps Wall filter: 5.5 - 5000 Hz, 27 steps, dependent on probe and application PW angle steer: 0, ±10, 15, 20° PRE: 05 - 26.7 kHz with PW, 0.4 - 49.0 kHz with CW Sample volume depth: 30 steps default pre-settable CW-Mode is available on the following probes: - 3Sc-RS - 12S-RS - 12D - P8D - P6D Steerable CW Mode includes Transmit frequency CW colorization Velocity scale range Spectrum inversion Trace method Doppler auto trace Trace direction Trace sensitivity	Wall filter: 4 steps depending on probe and application	
Transparent: 5 steps Invert: on/off Accumulation: 8 steps Flash suppression PW/CW Wave Doppler Velocity scale: - Max. 10.34 m/s - Min. 0.06 m/s Gray scale map: 8 types Baseline: 5 - 95%, 11 steps SV gate: 1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16 mm Angel correct: 2 90°, 1° step Spectral color: 6 types PW sweep speed: 8 steps Invert: on/off MPW display format: V-1/3B, V-1/2B, V-2/3B, H-1/2B, H-1/4B, timeline only Duplex: on/off (PW only) PW/CF ratio: 1, 2, 4 Gain: 0 - 85 dB, 1 dB steps Wall filter: 55 - 5000 Hz, 27 steps, dependent on probe and application PW angle steer: 0, ±10, 15, 20° PRF: 0.5 - 267 kHz with PW, 0.4 - 49.0 kHz with CW Sample volume depth: 30 steps default pre-settable CW-Mode is available on the following probes: - 125-RS - 125-RS - 125-RS - P2D - P8D - P6D Steerable CW Mode includes Transmit frequency CW colorization Velocity scale range Spectrum inversion Trace method Doppler auto trace Trace direction Trace sensitivity	CF/PDI frequency: up to 5 steps, depending on probe	
Invert: on/off Accumulation: 8 steps Flash suppression PW/CW Wave Doppler Velocity scale:	Auto line density: on/off pre-settable	
Accumulation: 8 steps Flash suppression W/CW Wave Doppler Velocity scale:	Transparent: 5 steps	
Flash suppression PW/CW Wave Doppler Velocity scale:	Invert: on/off	
Flash suppression PW/CW Wave Doppler Velocity scale:		
Velocity scale: • Max. 10.34 m/s • Min. 0.06 m/s Gray scale map: 8 types Baseline: 5 – 95%, 11 steps SV gate: 1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16 mm Angel correct: ± 90°, 17 step Spectral color: 6 types PW sweep speed: 8 steps Invert: on/off M/PW display format: V-1/3B, V-1/2B, V-2/3B, H-1/2B, H-1/4B, timeline only Duplex: on/off (PW only) PW/CF ratio: 1, 2, 4 Gain: 0 – 85 dB, 1 dB steps Wall filter: 5.5 – 5000 Hz, 27 steps, dependent on probe and application PW angle steer: 0, ±10, 15, 20° PRF: 0.5 – 26.7 kHz with PW, 0.4 – 49.0 kHz with CW Sample volume depth: 30 steps default pre-settable CW-Mode is available on the following probes: • 3Sc-RS • 6S-RS • 12S-RS • P2D • P8B • P6D Steerable CW Mode includes Transmit frequency CW colorization Velocity scale range Spectrum inversion Trace method Doppler auto trace Trace direction Trace sensitivity	Flash suppression	
Velocity scale: • Max. 10.34 m/s • Min. 0.06 m/s Gray scale map: 8 types Baseline: 5 – 95%, 11 steps SV gate: 1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16 mm Angel correct: ± 90°, 17 step Spectral color: 6 types PW sweep speed: 8 steps Invert: on/off M/PW display format: V-1/3B, V-1/2B, V-2/3B, H-1/2B, H-1/4B, timeline only Duplex: on/off (PW only) PW/CF ratio: 1, 2, 4 Gain: 0 – 85 dB, 1 dB steps Wall filter: 5.5 – 5000 Hz, 27 steps, dependent on probe and application PW angle steer: 0, ±10, 15, 20° PRF: 0.5 – 26.7 kHz with PW, 0.4 – 49.0 kHz with CW Sample volume depth: 30 steps default pre-settable CW-Mode is available on the following probes: • 3Sc-RS • 6S-RS • 12S-RS • P2D • P8B • P6D Steerable CW Mode includes Transmit frequency CW colorization Velocity scale range Spectrum inversion Trace method Doppler auto trace Trace direction Trace sensitivity	PW/CW Wave Doppler	
Gray scale map: 8 types Baseline: 5 – 95%, 11 steps SV gate: 1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16 mm Angel correct: ± 90°, 1° step Spectral color: 6 types PW sweep speed: 8 steps Invert: on/off M/PW display format: V-1/3B, V-1/2B, V-2/3B, H-1/2B, H-1/4B, timeline only Duplex: on/off (PW only) PW/CF ratio: 1, 2, 4 Gain: 0 – 85 dB, 1 dB steps Wall filter: 5.5 – 5000 Hz, 27 steps, dependent on probe and application PW angle steer: 0, ±10, 15, 20° PRF: 0.5 – 26.7 kHz with PW, 0.4 – 49.0 kHz with CW Sample volume depth: 30 steps default pre-settable CW-Mode is available on the following probes: - 3Sc-RS - 6S-RS - 12S-RS - P2D - P8D - P6D Steerable CW Mode includes Transmit frequency CW colorization Velocity scale range Spectrum inversion Trace method Doppler auto trace Trace direction Trace sensitivity		• Max. 10.34 m/s
Gray scale map: 8 types Baseline: 5 – 95%, 11 steps SV gate: 1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16 mm Angel correct: ± 90°, 1° step Spectral color: 6 types PW sweep speed: 8 steps Invert: on/off M/PW display format: V-1/3B, V-1/2B, V-2/3B, H-1/2B, H-1/4B, timeline only Duplex: on/off (PW only) PW/CF ratio: 1, 2, 4 Gain: 0 – 85 dB, 1 dB steps Wall filter: 5.5 – 5000 Hz, 27 steps, dependent on probe and application PW angle steer: 0, ±10, 15, 20° PRF: 0.5 – 26.7 kHz with PW, 0.4 – 49.0 kHz with CW Sample volume depth: 30 steps default pre-settable CW-Mode is available on the following probes:	,	• Min. 0.06 m/s
Baseline: 5 – 95%, 11 steps SV gate: 1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16 mm Angel correct: ± 90°, 1° step Spectral color: 6 types PW sweep speed: 8 steps Invert: on/off M/PW display format: V-1/3B, V-1/2B, V-2/3B, H-1/2B, H-1/4B, timeline only Duplex: on/off (PW only) PW/CF ratio: 1, 2, 4 Gain: 0 – 85 dB, 1 dB steps Wall filter: 5.5 – 5000 Hz, 27 steps, dependent on probe and application PW angle steer: 0, ±10, 15, 20° PRF: 0.5 – 26.7 kHz with PW, 0.4 – 49.0 kHz with CW Sample volume depth: 30 steps default pre-settable CW-Mode is available on the following probes:		,
SV gate: 1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16 mm Angel correct: ± 90°, 1° step Spectral color: 6 types PW sweep speed: 8 steps Invert: on/off M/PW display format: V-1/3B, V-1/2B, V-2/3B, H-1/2B, H-1/4B, timeline only Duplex: on/off (PW only) PW/CF ratio: 1, 2, 4 Gain: 0 – 85 dB, 1 dB steps Wall filter: 5.5 – 5000 Hz, 27 steps, dependent on probe and application PW angle steer: 0, ±10, 15, 20° PRF: 0.5 – 26.7 kHz with PW, 0.4 – 49.0 kHz with CW Sample volume depth: 30 steps default pre-settable CW-Mode is available on the following probes:	Gray scale map: 8 types	
Angel correct: ± 90°, 1° step Spectral color: 6 types PW sweep speed: 8 steps Invert: on/off M/PW display format: V-1/3B, V-1/2B, V-2/3B, H-1/2B, H-1/4B, timeline only Duplex: on/off (PW only) PW/CF ratio: 1, 2, 4 Gain: 0 – 85 dB, 1 dB steps Wall filter: 5.5 – 5000 Hz, 27 steps, dependent on probe and application PW angle steer: 0, ±10, 15, 20° PRF: 0.5 – 26.7 kHz with PW, 0.4 – 49.0 kHz with CW Sample volume depth: 30 steps default pre-settable CW-Mode is available on the following probes: - 3Sc-RS - 6S-RS - 12S-RS - P2D - P8D - P6D Steerable CW Mode includes Transmit frequency CW colorization Velocity scale range Spectrum inversion Trace method Doppler auto trace Trace direction Trace sensitivity	Baseline: 5 – 95%, 11 steps	
Spectral color: 6 types PW sweep speed: 8 steps Invert: on/off M/PW display format: V-1/3B, V-1/2B, V-2/3B, H-1/2B, H-1/4B, timeline only Duplex: on/off (PW only) PW/CF ratio: 1, 2, 4 Gain: 0 – 85 dB, 1 dB steps Wall filter: 5.5 – 5000 Hz, 27 steps, dependent on probe and application PW angle steer: 0, ±10, 15, 20° PRF: 0.5 – 26.7 kHz with PW, 0.4 – 49.0 kHz with CW Sample volume depth: 30 steps default pre-settable CW-Mode is available on the following probes:	SV gate: 1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16 mm	
PW sweep speed: 8 steps Invert: on/off M/PW display format: V-1/3B, V-1/2B, V-2/3B, H-1/2B, H-1/4B, timeline only Duplex: on/off (PW only) PW/CF ratio: 1, 2, 4 Gain: 0 - 85 dB, 1 dB steps Wall filter: 5.5 - 5000 Hz, 27 steps, dependent on probe and application PW angle steer: 0, ±10, 15, 20° PRF: 0.5 - 26.7 kHz with PW, 0.4 - 49.0 kHz with CW Sample volume depth: 30 steps default pre-settable CW-Mode is available on the following probes:	Angel correct: ± 90°, 1° step	
Invert: on/off M/PW display format: V-1/3B, V-1/2B, V-2/3B, H-1/2B, timeline only Duplex: on/off (PW only) PW/CF ratio: 1, 2, 4 Gain: 0 – 85 dB, 1 dB steps Wall filter: 5.5 – 5000 Hz, 27 steps, dependent on probe and application PW angle steer: 0, ±10, 15, 20° PRF: 0.5 – 26.7 kHz with PW, 0.4 – 49.0 kHz with CW Sample volume depth: 30 steps default pre-settable CW-Mode is available on the following probes:	Spectral color: 6 types	
M/PW display format: V-1/3B, V-1/2B, V-2/3B, H-1/2B, H-1/4B, timeline only Duplex: on/off (PW only) PW/CF ratio: 1, 2, 4 Gain: 0 – 85 dB, 1 dB steps Wall filter: 5.5 – 5000 Hz, 27 steps, dependent on probe and application PW angle steer: 0, ±10, 15, 20° PRF: 0.5 – 26.7 kHz with PW, 0.4 – 49.0 kHz with CW Sample volume depth: 30 steps default pre-settable CW-Mode is available on the following probes:	PW sweep speed: 8 steps	
Duplex: on/off (PW only) PW/CF ratio: 1, 2, 4 Gain: 0 – 85 dB, 1 dB steps Wall filter: 5.5 – 5000 Hz, 27 steps, dependent on probe and application PW angle steer: 0, ±10, 15, 20° PRF: 0.5 – 26.7 kHz with PW, 0.4 – 49.0 kHz with CW Sample volume depth: 30 steps default pre-settable CW-Mode is available on the following probes:	Invert: on/off	
PW/CF ratio: 1, 2, 4 Gain: 0 – 85 dB, 1 dB steps Wall filter: 5.5 – 5000 Hz, 27 steps, dependent on probe and application PW angle steer: 0, ±10, 15, 20° PRF: 0.5 – 26.7 kHz with PW, 0.4 – 49.0 kHz with CW Sample volume depth: 30 steps default pre-settable CW-Mode is available on the following probes:	M/PW display format: V-1/3B, V-1/2B, V-2/3B, H-1/2B, H-1/4B, ti	meline only
Gain: 0 – 85 dB, 1 dB steps Wall filter: 5.5 – 5000 Hz, 27 steps, dependent on probe and application PW angle steer: 0, ±10, 15, 20° PRF: 0.5 – 26.7 kHz with PW, 0.4 – 49.0 kHz with CW Sample volume depth: 30 steps default pre-settable CW-Mode is available on the following probes: • 3Sc-RS • 6S-RS • 12S-RS • P2D • P8D • P6D Steerable CW Mode includes Transmit frequency CW colorization Velocity scale range Spectrum inversion Trace method Doppler auto trace Trace direction Trace sensitivity	Duplex: on/off (PW only)	
Wall filter: 5.5 – 5000 Hz, 27 steps, dependent on probe and application PW angle steer: 0, ±10, 15, 20° PRF: 0.5 – 26.7 kHz with PW, 0.4 – 49.0 kHz with CW Sample volume depth: 30 steps default pre-settable CW-Mode is available on the following probes: • 3Sc-RS • 6S-RS • 12S-RS • P2D • P8D • P6D Steerable CW Mode includes Transmit frequency CW colorization Velocity scale range Spectrum inversion Trace method Doppler auto trace Trace direction Trace sensitivity	PW/CF ratio: 1, 2, 4	
PW angle steer: 0, ±10, 15, 20° PRF: 0.5 – 26.7 kHz with PW, 0.4 – 49.0 kHz with CW Sample volume depth: 30 steps default pre-settable CW-Mode is available on the following probes:	Gain: 0 – 85 dB, 1 dB steps	
PRF: 0.5 – 26.7 kHz with PW, 0.4 – 49.0 kHz with CW Sample volume depth: 30 steps default pre-settable CW-Mode is available on the following probes: - 3Sc-RS - 6S-RS - 12S-RS - P2D - P8D - P6D Steerable CW Mode includes Transmit frequency CW colorization Velocity scale range Spectrum inversion Trace method Doppler auto trace Trace direction Trace sensitivity	Wall filter: 5.5 – 5000 Hz, 27 steps, dependent on probe and app	plication
Sample volume depth: 30 steps default pre-settable CW-Mode is available on the following probes: - 3Sc-RS - 6S-RS - 12S-RS - P2D - P8D - P6D Steerable CW Mode includes Transmit frequency CW colorization Velocity scale range Spectrum inversion Trace method Doppler auto trace Trace direction Trace sensitivity	PW angle steer: 0, ±10, 15, 20°	
CW-Mode is available on the following probes:	PRF: 0.5 – 26.7 kHz with PW, 0.4 – 49.0 kHz with CW	
CW-Mode is available on the following probes:	Sample volume depth: 30 steps default pre-settable	
• 12S-RS • P2D • P8D • P6D Steerable CW Mode includes Transmit frequency CW colorization Velocity scale range Spectrum inversion Trace method Doppler auto trace Trace direction Trace sensitivity		• 3Sc-RS
P2D P8D P6D Steerable CW Mode includes Transmit frequency CW colorization Velocity scale range Spectrum inversion Trace method Doppler auto trace Trace direction Trace sensitivity		• 6S-RS
• P8D • P6D Steerable CW Mode includes Transmit frequency CW colorization Velocity scale range Spectrum inversion Trace method Doppler auto trace Trace direction Trace sensitivity		• 12S-RS
Steerable CW Mode includes Transmit frequency CW colorization Velocity scale range Spectrum inversion Trace method Doppler auto trace Trace direction Trace sensitivity		• P2D
Steerable CW Mode includes Transmit frequency CW colorization Velocity scale range Spectrum inversion Trace method Doppler auto trace Trace direction Trace sensitivity		• P8D
Transmit frequency CW colorization Velocity scale range Spectrum inversion Trace method Doppler auto trace Trace direction Trace sensitivity		• P6D
Transmit frequency CW colorization Velocity scale range Spectrum inversion Trace method Doppler auto trace Trace direction Trace sensitivity	G. H. GWM I I I I	
CW colorization Velocity scale range Spectrum inversion Trace method Doppler auto trace Trace direction Trace sensitivity		
Velocity scale range Spectrum inversion Trace method Doppler auto trace Trace direction Trace sensitivity		
Spectrum inversion Trace method Doppler auto trace Trace direction Trace sensitivity		
Trace method Doppler auto trace Trace direction Trace sensitivity		
Doppler auto trace Trace direction Trace sensitivity		
Trace direction Trace sensitivity		
Trace sensitivity		
Automatic Optimization		
	Automatic Optimization	



Optimize B-Mode, B-Flow image to improve contrast resolution. Selectable amount of contrast resolution improvement (low, medium, high) pressing one button

Auto TGC	
СТО	
Auto-spectral optimize adjustable by pressing one button	Baseline
	• Invert
	• PRF (on live image)
	PRF (on live image)Angle correction

Coded Harmonic Imaging

Available on all imaging probes

Line density: 5 steps

Line density zoom 5 steps

Suppression: 6 steps

Edge enhance: 7 steps

Gray scale map: 7 types

Tint map: 9 types

Gain: 0 - 90 dB, 1 dB step

Dynamic range: 36 - 96 dB, 3 dB or 6 dB steps

Rejection: 6 steps

Frequency: up to 4 steps, probe depended

B-Flow/B-Flow color (option)

Available on C1-5-RS, C1-6-D, C2-7-D, 10C-D, 9L-RS, 12L-RS, ML6-15-RS, L8-18i-RS, 8C-RS, L6-12-RS, L4-12t-RS, L10-22-RS, L3-9i-RS, E8CS-RS, BE9CS-RS, L3-12-RS, IC9-RS, E7C8L-RS probes

Hybrid B-Flow: Available on C1-5-RS, 12L-RS, 9L-RS, ML6-15-RS, L4-12t-RS, L3-12-RS, C1-6-D, C2-7-D and 10C-D B & B-Flow simultaneous dual display

B & B-Flow overlay display

B-Flow High Definition Color (HD Color): Available on C1-5-RS, 12L-RS, ML6-15-RS, L4-12t-RS, L3-12-RS and C1-6-D probes

Background: on/off

Sensitivity/PRI: 17 steps

Line density: 5 steps

Edge dnhance: 7 steps

Frame average: 8 steps

Gray scale map: 8 types

Tint map: 9 types

Dynamic range: 36 - 96 dB, 3 dB or 6 dB steps

Rejection: 6 steps

Gain: 0 - 90 dB, 1 dB step

Dual Beam: on/off pre-settable

B-Flow Color: 8 color maps and 6 directional maps

Accumulation: 8 steps

Coded Contrast Imaging (option.)

AM mode: Available on C1-6-D, C2-7-D, C1-5-RS, 9L-RS, 3Sc-RS, BE9CS-RS, IC9-RS, E7C8L-RS

HRes mode: Available on C1-6-D, C2-7-D, C1-5-RS, 9L-RS, 3Sc-RS

AM mode frequency : General, Resolution and Penetration

HRes mode frequency: General

Tissue background selection: 4 steps

Display tissue image and contrast enhanced image simultaneously in split screen



2 separate contrast timers Timed updates: 0.05 – 10 seconds Accumulation mode: 6 steps Max Enhancement Mode: on/off Gray scale map: 21 types Colorization: on/off Time trigger scan: 0.3 & 0.5 – 10 sec, 0.5 sec step Flash/Burst Mode Time Intensity Curve (TIC) analysis Auto MI control The LOGIQ P9 is designed for compatibility with commercially available ultrasound contrast agents. Because the availability of these agents is subject to government regulation and approval, product features intended for use with these agents may not be commercially marketed nor made available before the contrast agent is cleared for use. Contrast related product features are enabled only on systems for delivery to an authorized country or region of use. LOGIQView (option) Extended Field of View imaging Available on all imaging probes For use in B-Mode CrossXBeam is available on linear probes Auto detection of scan direction Pre or post-process zoom up to 10x Rotation Auto best fit on monitor Measurements in B-Mode Up to 60 cm scan length Easy 3D (available on all imaging probes) Colorize image Threshold (opacity) Render Texture Gray surface Scalpel Auto movie Undo Reset Allows unlimited rotation and planar translation 3D reconstruction from CINE sweep Advanced 3D (Available On All Imaging Probes) (option) Acquisition of color data Automatic rendering 3D landscape technology 3D movie Main Mode

Real-time 4D (option)
Acquisition modes:

Real-time 4D modeStatic 3D mode



Visualization modes:	3D rendering (diverse
Visualization modes.	surface and intensity
	projection modes)
	Sectional planes (3 section planes perpendicular to
	each other)
	Volume contrast
	imaging-static
	Tomographic ultrasound imaging
Render mode:	Surface texture, surface smooth, max-, min- and X-ray
	(average intensity projection), mix mode of two render
	modes
Curved 3 point Render start	
3D Movie	
Scalpel: 3D Cut tool	
Display format:	• Quad: A-/B-/C-Plane/3D
	• -Dual: A-Plane/3D
	• Single: 3D or A- or B- or C-Plane
Automated Volume Calculation - VOCAL II (option)	Betaview
Tate mateur volume carearation volume in (option)	Auto sweep
	That shoop
STIC (option)	
HDlive™ (option)	
VCI Static (option)	
Omniview (option)	VCI OmniView
Scan Assistant (option)	
Workflow enhancement tool for standardized and repetitive	ve exams
Include factory programs	
User-defined programs and import functionality	
Steps include image annotations, mode transitions, basic in	maging controls and measurement initiation
Compare Assistant (Option)	
Side-by-side comparison of previous ultrasound and other	modality exams during live scanning
Report Writer (option)	
On-board reporting package automates report writing	
Formats various exam results into a report suitable for prin	3 3
Exam results include patient info, exam info, measurement	s, calculations, images, comments and diagnosis
Standard templates provided	
Customizable templates	
Thyroid reporting template	
Vascular, GYN, pediatric, OB, abdomninal, fetal echo, MSK,	small parts
Elastography (option)	
Available on C1-6-D, C1-5-RS, ML6-15-RS, 9L-RS, 12L-RS,	L6-12-RS, L4-12t-RS, E8CS-RS, BE9CS-RS, L3-12-RS, IC9-RS
probes	
Elastography for applications such as breast, abdomen, mu	usculoskeletal, thyroid etc.
E index: 8 maximum	
E ratio: 7 maximum	
B Steer+ (option)	



Available on C1-5-RS, 8C-RS, L6-12-RS, 12L-RS, 9L-RS, ML6-15-RS, L4-12t-RS, L3-12-RS, RAB2-6-RS, C1-6-D, C2-7-D, **E7C8L-RS (only E7C8L Linear transducer)** and 10C-D probes

TVI (option)

Myocardial Doppler Imaging with color overlay on tissue image

Available on all sector probes

Tissue color overlay can be removed to show just the 2D image, still retaining the tissue velocity information

Curved Anatomical M-Mode: free (curved) drawing of M-Mode generated from the cursor independent from the axial plane

Q-Analysis: Multiple time-motion trace display from selected points in the myocardium

Stress Echo (option)

Advanced and flexible stress-echo examination capabilities

Provides exercise and pharmacological protocol templates

8 default templates

Template editor for user configuration of existing templates or creating new templates

Reference scan display during acquisition for stress level comparison (dual screen)

Baseline level/previous level selectable

Raw data continuous capture (over 180 sec available)

Wall motion scoring (bulls-eye and segmental)

Smart stress: automatically set up various scanning parameters (e.g. geometry, frequency, gain, etc.) according to same projection on previous level

Shear Wave Elastography (Option)

Available on C1-5-RS, L3-12-RS, IC9-RS, ML6-15-RS, C1-6-D and 12L-RS probes

User programmable measurement display in kPa and meters per sec.

Measurement range in m/s (Min. - Max.): 0-10 m/s

Measurement range in kPa (Min. - Max.): 0-300 kPa

Single and dual view display

Auto EF (Option)

Allows semi-automatic measurement of the global EF (Ejection Fraction)

User editable

Virtual Convex

Provides a convex Field of View

Compatible with CrossXBeam

Available on all linear and sector transducers

SRI-HD

High definition speckle reduction imaging in real time and post-processing

Provides multiple (6) levels of speckle reduction

Compatible with side-by-side DualView display

Compatible with all linear, convex and sector transducers

Compatible with B-Mode, color, contrast agent and 3D/4D imaging

Pre and post processing

CrossXBeam

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

Live side-by-side DualView display

Compatible with

• Color Mode
• PW
• SRI-HD

Coded Harmonic Imaging

• Virtual convex on linear probes



Available on C1-5-RS, 8C-RS, E8C-RS, 9L-RS, 12L-RS, ML6-15-RS, L8-18i-RS, RAB2-6-RS, L6-12-RS, L4-12t-RS, L10-22-RS, L3-9i-RS, E8CS-RS, BE9CS-RS, RIC5-9A-RS, L3-12-RS, IC9-RS, **E7C8L-RS** probes

Controls Available While "Live"	
Write zoom	
B/M/CrossXBeam-Mode	 Gain TGC Dynamic range Acoustic output Transmission focus position Transmission focus number Line density control Sweep speed for M-Mode Number of angles for CrossXBeam
PW-Mode Color Flow-Mode	 Gain Dynamic range Acoustic output Transmission frequency PRF Wall filter Spectral averaging Sample volume gate Length Depth Velocity scale
Color Flow-Mode	 CFM gain CFM velocity range Acoustic output Wall echo filter Packet size Frame rate control CFM spatial filter CFM frame averaging CFM line resolution Frequency/velocity baseline shift
Controls Available on "Freeze" or Recall	
Automatic optimization SRI-HD CrossXBeam – display non-compounded and compound	led image simultaneously in split screen
3D reconstruction from a stored CINE loop	
B/M/CrossXBeam-Mode	Gray map optimizationTGCColorized B and MFrame average (loops only)Dynamic range
Anatomical M-Mode	1
Max. read zoom to 20x in real time	
Baseline shift	
Sweep speed	



PW-Mode	• Gray map
	• Post gain
	Baseline shift
	Sweep speed
	Invert spectral wave form
	Compression
	• Rejection
	Colorized spectrum
	Display format
	Doppler audio
	Angle correct
	Quick angle correct
	Auto angle correct
Color Flow-Mode	Overall gain (loops and stills)
	• Color map
	Transparency map
	Frame averaging (loops only)
	• Flash suppression
	CFM display threshold
	Spectral invert for Color/Doppler
Anatomical M-Mode on CINE loop	I
4D	Gray map, colorize
4U	1 Glav Illab, Cololize
40	
4U	• Post gain
40	Post gainChange display – single, dual, quad sectional or
40	• Post gain
Measurements/Calculations	Post gainChange display – single, dual, quad sectional or
	Post gainChange display – single, dual, quad sectional or
Measurements/Calculations	 Post gain Change display – single, dual, quad sectional or rendered
Measurements/Calculations Available Applications	 Post gain Change display – single, dual, quad sectional or rendered
Measurements/Calculations Available Applications Abdominal, Cardiac, Vascular, Small Parts, OB & GYN,	 Post gain Change display – single, dual, quad sectional or rendered
Measurements/Calculations Available Applications Abdominal, Cardiac, Vascular, Small Parts, OB & GYN, General B-Mode	 Post gain Change display – single, dual, quad sectional or rendered
Measurements/Calculations Available Applications Abdominal, Cardiac, Vascular, Small Parts, OB & GYN, General B-Mode Depth & distance	 Post gain Change display – single, dual, quad sectional or rendered
Measurements/Calculations Available Applications Abdominal, Cardiac, Vascular, Small Parts, OB & GYN, General B-Mode Depth & distance Circumference (ellipse/trace)	 Post gain Change display – single, dual, quad sectional or rendered
Measurements/Calculations Available Applications Abdominal, Cardiac, Vascular, Small Parts, OB & GYN, General B-Mode Depth & distance Circumference (ellipse/trace) Area (ellipse/trace)	 Post gain Change display – single, dual, quad sectional or rendered
Measurements/Calculations Available Applications Abdominal, Cardiac, Vascular, Small Parts, OB & GYN, General B-Mode Depth & distance Circumference (ellipse/trace) Area (ellipse/trace) Volume (ellipsoid)	 Post gain Change display – single, dual, quad sectional or rendered
Measurements/Calculations Available Applications Abdominal, Cardiac, Vascular, Small Parts, OB & GYN, General B-Mode Depth & distance Circumference (ellipse/trace) Area (ellipse/trace) Volume (ellipsoid) % Stenosis (area or diameter)	 Post gain Change display – single, dual, quad sectional or rendered
Measurements/Calculations Available Applications Abdominal, Cardiac, Vascular, Small Parts, OB & GYN, General B-Mode Depth & distance Circumference (ellipse/trace) Area (ellipse/trace) Volume (ellipsoid) % Stenosis (area or diameter) Angle between two lines	 Post gain Change display – single, dual, quad sectional or rendered
Measurements/Calculations Available Applications Abdominal, Cardiac, Vascular, Small Parts, OB & GYN, General B-Mode Depth & distance Circumference (ellipse/trace) Area (ellipse/trace) Volume (ellipsoid) % Stenosis (area or diameter) Angle between two lines General M-Mode	 Post gain Change display – single, dual, quad sectional or rendered
Measurements/Calculations Available Applications Abdominal, Cardiac, Vascular, Small Parts, OB & GYN, General B-Mode Depth & distance Circumference (ellipse/trace) Area (ellipse/trace) Volume (ellipsoid) % Stenosis (area or diameter) Angle between two lines General M-Mode M-Depth	 Post gain Change display – single, dual, quad sectional or rendered
Measurements/Calculations Available Applications Abdominal, Cardiac, Vascular, Small Parts, OB & GYN, General B-Mode Depth & distance Circumference (ellipse/trace) Area (ellipse/trace) Volume (ellipsoid) % Stenosis (area or diameter) Angle between two lines General M-Mode M-Depth Distance	 Post gain Change display – single, dual, quad sectional or rendered
Measurements/Calculations Available Applications Abdominal, Cardiac, Vascular, Small Parts, OB & GYN, General B-Mode Depth & distance Circumference (ellipse/trace) Area (ellipse/trace) Volume (ellipsoid) % Stenosis (area or diameter) Angle between two lines General M-Mode M-Depth Distance Time	 Post gain Change display – single, dual, quad sectional or rendered
Measurements/Calculations Available Applications Abdominal, Cardiac, Vascular, Small Parts, OB & GYN, General B-Mode Depth & distance Circumference (ellipse/trace) Area (ellipse/trace) Volume (ellipsoid) % Stenosis (area or diameter) Angle between two lines General M-Mode M-Depth Distance Time Slope	 Post gain Change display – single, dual, quad sectional or rendered
Measurements/Calculations Available Applications Abdominal, Cardiac, Vascular, Small Parts, OB & GYN, General B-Mode Depth & distance Circumference (ellipse/trace) Area (ellipse/trace) Volume (ellipsoid) % Stenosis (area or diameter) Angle between two lines General M-Mode M-Depth Distance Time Slope Heart rate	 Post gain Change display – single, dual, quad sectional or rendered
Measurements/Calculations Available Applications Abdominal, Cardiac, Vascular, Small Parts, OB & GYN, General B-Mode Depth & distance Circumference (ellipse/trace) Area (ellipse/trace) Volume (ellipsoid) % Stenosis (area or diameter) Angle between two lines General M-Mode M-Depth Distance Time Slope Heart rate General Doppler Measurements/Calculations	 Post gain Change display – single, dual, quad sectional or rendered
Measurements/Calculations Available Applications Abdominal, Cardiac, Vascular, Small Parts, OB & GYN, General B-Mode Depth & distance Circumference (ellipse/trace) Area (ellipse/trace) Volume (ellipsoid) % Stenosis (area or diameter) Angle between two lines General M-Mode M-Depth Distance Time Slope Heart rate General Doppler Measurements/Calculations Velocity Time	 Post gain Change display – single, dual, quad sectional or rendered
Measurements/Calculations Available Applications Abdominal, Cardiac, Vascular, Small Parts, OB & GYN, General B-Mode Depth & distance Circumference (ellipse/trace) Area (ellipse/trace) Volume (ellipsoid) % Stenosis (area or diameter) Angle between two lines General M-Mode M-Depth Distance Time Slope Heart rate General Doppler Measurements/Calculations Velocity Time A/B ratio (Velocities/Frequency ratio)	 Post gain Change display – single, dual, quad sectional or rendered
Measurements/Calculations Available Applications Abdominal, Cardiac, Vascular, Small Parts, OB & GYN, General B-Mode Depth & distance Circumference (ellipse/trace) Area (ellipse/trace) Volume (ellipsoid) % Stenosis (area or diameter) Angle between two lines General M-Mode M-Depth Distance Time Slope Heart rate General Doppler Measurements/Calculations Velocity Time A/B ratio (Velocities/Frequency ratio) PS (Peak Systole)	 Post gain Change display – single, dual, quad sectional or rendered
Measurements/Calculations Available Applications Abdominal, Cardiac, Vascular, Small Parts, OB & GYN, General B-Mode Depth & distance Circumference (ellipse/trace) Area (ellipse/trace) Volume (ellipsoid) % Stenosis (area or diameter) Angle between two lines General M-Mode M-Depth Distance Time Slope Heart rate General Doppler Measurements/Calculations Velocity Time A/B ratio (Velocities/Frequency ratio)	 Post gain Change display – single, dual, quad sectional or rendered



AT (Acceleration Time) ACC (Acceleration) TAMAX (Time Averaged Maximum velocity) Volume flow (TAMEAN and vessel area) Heart rate PI (Pulsatility Index) RI (Resistivity Index) Real-time Doppler Auto Measurements/Calculations PS (Peak Systole) ED (End Diastole) MD (Minimum Diastole) PI (Pulsatility Index) RI (Resistivity Index) AT (Acceleration Time) ACC (Acceleration) PS/ED ratio ED/PS ratio HR (Heart Rate) TAMAX (Time Averaged Maximum velocity) PVAL (Peak Velocity value) Volume flow (TAMEAN and vessel area) **OB Measurements/Calculations** Gestational age by: • GS (Gestational Sac) • CRL (Crown Rump Length) • FL (Femur Length) • BPD (Biparietal Diameter) • AC (Abdominal Circumference) HC (Head Circumference) • APTD x TTD (Anterior/ Posterior Trunk Diameter by Transverse Trunk Diameter) • LV (Length of Vertebra) • FTA (Fetal Trunk Cross-sectional Area) • HL (Humerus Length) • BD (Binocular Distance) • FT (Foot Length) OFD (Occipital Frontal Diameter) • TAD (Transverse Abdominal Diameter) • TCD (Transverse Cerebellum Diameter) • THD (Thorax Transverse Diameter) • TIB (Tibia Length) • ULNA (Ulna Length) Estimated Fetal Weight AC, BPD (EFW) by: • AC, BPD, FL AC, BPD, FL, HC • AC, FL AC, FL, HC

AC, HC

BPD, APTD, TTD, FLBPD, APTD, TTD, SL



• FL/BPD
• FL/AC
• FL/HC
FL/HCHC/ACCI (Cephalic Index)AFI (Amniotic Fluid Index)
• CI (Cephalic Index)
 AFI (Amniotic Fluid Index)
• CTAR (Cardio-Thoracic Area Ratio)

Measurements/calculations by: ASUM, ASUM 2001, Bahlmann, Baschat, Berkowitz, Bertagnoli, Brenner, Campbell, CFEF, Chitty, Ebbing, Eik-Nes, Ericksen, Goldstein, Hadlock, Hansmann, Hellman, Hill, Hohler, Jeanty, JSUM, Kurmanavicius, Kurtz, Mari, Mayden, Mercer, Merz, Moore, Nelson, Osaka Univ., Paris, Rempen, Robinson, Shepard, Shepard/Warsoff, Tokyo Univ., Tokyo/Shinozuka, WHO, Yarkoni

Fetal graphical trending

Growth percentiles

Multi-gestational calculations (4)

Fetal qualitative description (anatomical survey)

Fetal environmental description (biophysical profile)

Programmable OB tables

Over 20 selectable OB calcs

Expanded worksheets

Growth percentiles: Hadlock, Brenner, Williams, Kramer (f), Kramer (m)

Measure Assistant Breast (Option)

Allows automatic contour and measurement of breast lesions in a user selected ROI

Feature assessment

BI-RADS® assessment

User editable

Measure Assistant OB (Option)

Allows automatic measurement of BPD, HC, FL and AC

User editable

GYN Measurements/Calculations

Right ovary length, width, height

Left ovary length, width, height

Uterus length, width, height

Cervix length, trace

Ovarian volume

ENDO (Endometrial thickness)

Ovarian RI

Uterine RI

Follicular measurements

IOTA (International Ovarian Tumor Analysis) LR2 worksheet

Note) IOTA is not available in USA, Japan and China.

Summary reports

Vascular Measurements/Calculations

SYS DCCA (Systolic Distal Common Carotid Artery)

DIAS DCCA (Diastolic Distal Common Carotid Artery)

SYS MCCA (Systolic Mid Common Carotid Artery)

DIAS MCCA (Diastolic Mid Common Carotid Artery)

SYS PCCA (Systolic Proximal Common Carotid Artery)

DIAS PCCA (Diastolic Proximal Common Carotid Artery)



SYS DICA (Systolic Distal Internal Carotid Artery)

DIAS DICA (Systolic Distal Internal Carotid Artery)

SYS MICA (Systolic Mid Internal Carotid Artery)

DIAS MICA (Diastolic Mid Internal Carotid Artery)

SYS PICA (Systolic Proximal Internal Carotid Artery)

DIAS PICA (Diastolic Proximal Internal Carotid Artery)

SYS DECA (Systolic Distal External Carotid Artery)

DIAS DECA (Diastolic Distal External Carotid Artery)

SYS PECA (Systolic Proximal External Carotid Artery)

DIAS PECA (Diastolic Proximal External Carotid Artery)

VERT (Systolic Vertebral Velocity)

SUBCLAV (Systolic Subclavian Velocity)

Auto IMT

Summary reports

Urological Measurements/Calculations

Bladder volume

Prostate volume

Stepper volume

Left/right renal volume

Generic volume

Post-void bladder volume

Cardiac Measurements/Calculations

Cardiac calculation package including extensive measurements and display of multiple repeated measurements

Parameter annotation follow ASE standard

My Trainer+

An electric manual for first time user for the system

Available self-setup system

System setup

Maintenance

Ergonomics

Basic operation (button/layout/touch panel layout/monitor layout/basic workflow)

My Page

Collection of user's favorite parameters from measurement/comments/body patterns

Programmable buttons

Measurement for B/M/Doppler

User defined annotation for selected exam category

Body pattern for the selected exam category

Function Available Arrow; Create Macro, Eject, Grab Last, Help, Home, My Trainer, Set Home. Spooler, Text Overlay, Word Delete

Offline Scanning

Normal scanning with battery

Indication/message

Battery capacity

Battery operation

Power assistant in low battery

Probes

Probes

C1-6-D, C2-7-D, 10C-D, C1-5-RS, 8C-RS, E8C-RS, E8CS-RS, BE9CS-RS, 9L-RS, 12L-RS, L8-18i-RS, L6-12-RS, L4-12t-RS, L10-22-RS, L3-9i-RS, ML6-15-RS, 3Sc-RS, 6S-RS, 12S-RS, RAB2-6-RS, RIC5-9A-RS, P6D, P8D, L3-12-RS, IC9-RS, 6Tc-RS, E7C8L-RS, P2D



C1-5-RS Convex Probe

Applications: Abdomen, Vascular, OB/GYN, Urology

Probe band width: 1 - 6 MHz Number of element: 192

Convex radius: 55 mmR

FoV (max): 70°

Physical foot print: 67 x 11.5 mm

B-Mode frequency: 2, 3, 4 MHz

Harmonic frequency: 3, 4, 5 MHz

Doppler frequency: 1.9, 2.1, 2.5, 3.6 MHz

Biopsy guide: multi-angle, disposable with a reusable bracket (40432LE)

C1-6-D Convex Probe

Applications: Abdomen, OB, Gynecology, Vascular, Urology

Probe band width: 1 - 6 MHz Number of element: 192

Convex radius: 55 mmR

FoV (max): 70°

Physical foot print: 67.2 x 11.5 mm

B-Mode frequency: 2, 3, 4, 5, 6 MHz

Harmonic frequency: 1.5, 2.5, 2.8, 3, 4, 5, 6 MHz

Doppler frequency: 1.7, 1.9, 2.1, 2.5, 3.1, 3.6 MHz

Biopsy guide: multi-angle, disposable with a reusable bracket (H4913BB)

C2-7-D Convex Probe

Applications: Abdomen

Probe band width: 1 - 6 MHz

Number of element: 144

Convex radius: 19.74 mmR

FoV (max): 110°

Physical foot print: 29.7 x 10.5 mm

B-Mode frequency: 2.5, 4, 5, 6 MHz

Harmonic frequency: 3, 4, 5, 6 MHz

Doppler frequency: 2.1, 2.5, 3.6, 4.2 MHz

Biopsy guide: multi-angle, disposable with a reusable bracket (H40482LK)or a reusable stainless bracket (H40482LK)

10C-D Convex Probe

Applications: Neonatal, Pediatrics, Vascular

Probe band width: 4 – 12 MHz

Number of element: 128

Convex radius: 10 mmR

FoV (max): 102°

Physical foot print: 17.9 x 4.8 mm

B-Mode frequency: 4, 6, 8, 10 MHz

Harmonic frequency: 7, 8, 9, 10 MHz

Doppler frequency: 4.2, 5.0, 6.3, 7.4, 8.3 MHz

Biopsy guide: none

8C-RS Micro Convex Probe

Applications: Neonatal, Pediatrics

Probe band width: 3 - 11 MHz

Number of element: 128

Convex radius: 10.7 mmR

FoV (max): 132°



Physical foot print: 24.7 x 5 mm

B-Mode imaging frequency: 6.0, 7.0, 8.0 MHz

Harmonic frequency: 8.0, 9.0, 10.0 MHz

Doppler frequency: 3.6, 4.2, 5.0, 6.3 MHz

Biopsy guide: none

E8C-RS Endo Micro Convex Probe

Applications: OB/GYN, Urology, Transvaginal, Transrectal

Probe band width: 3 - 11 MHz

Number of element: 128

Convex radius: 10.7 mmR

FoV (max): 132°

Physical foot print: 24.7 x 5 mm

B-Mode frequency: 6, 7, 8 MHz

Harmonic frequency: 8, 9, 10 MHz

Doppler frequency: 3.6, 4.2, 5.0, 6.3 MHz

Biopsy guide: single-angle, disposable with a disposable bracket (E8385MJ, E8333JB), single-angle, reusable bracket (H40412LN)

E8CS-RS Endo Micro Convex Probe

Applications: OB/GYN (Transvaginal), Urology (Transrectal)

Probe band width: 3 - 11 MHz

Number of element: 128

Convex radius: 8.7 mmR

FoV (max): 168°

Active area: 25.6 x 4.3 mm

B-Mode frequency: 6, 7, 8 MHz

Harmonic frequency: 7, 8, 9, 10 MHz

Doppler frequency: 3.6, 4.2, 5.0, 6.3 MHz

Biopsy guide: single-angle, disposable with a disposable bracket (E8385MJ, E8333JB), single-angle, reusable bracket (H40412LN)

IC9-RS Endo Micro Convex Probe

Applications: OB/GYN, Urology, (Transvaginal, Transrectal)

Probe band width: 2 - 11 MHz

Number of element: 192

Convex radius: 9.24 mmR

FoV (max): 168°

Physical foot print: 24.2 x 6 mm

B-Mode frequency: 6, 7, 8 MHz

Harmonic frequency: 7, 8, 9 MHz

Doppler frequency: 3.6, 4.2, 5.0, 6.3 MHz

Biopsy guide: single-angle, disposable with a disposable bracket (H48691YW), single-angle, reusable bracket (H48701MN)

BE9CS-RS Biplane Micro Convex Probe

Applications: Urology, Transrectal

Probe band width: 3 - 12 MHz

Number of element: 96 x 2

Convex radius: 9 mmR

FoV (max): 127°

Active area: 20.8 x 5 mm

B-Mode frequency: 6, 8, 10 MHz



Harmonic frequency: 8, 9, 10 MHz

Doppler frequency: 4.2, 5.0, 6.3 MHz

Biopsy guide: single-angle, reuseable (E8387MA), disposable (E8387M), disposable starter kit (H42742LH), disposable starter kit (H42742LJ)

RAB2-6-RS Convex Volume Probe

Applications: Abdomen, OB/GYN, Urology

Probe band width: 1 - 5 MHz

Number of element: 128 Convex radius: 47 mmR

FoV (max): 66°, volume angle: 85°

Physical foot print: 53.8 x 13 mm

B-Mode frequency: 3, 4, 5 MHz

Harmonic frequency: 4, 5, 6 MHz

Doppler frequency: 1.9, 2.5, 3.1, 3.6 MHz

Biopsy guide: multi-angle, disposal with reusable bracket (H48681ML)

RIC5-9A-RS Convex Volume Probe

Applications: OB/GYN, Urology, Endocavity

Probe band width: 3 - 10 MHz Number of element: 192

Convex radius: 10.1 mmR

FoV (max): 146°, volume angle: 120°

Active area: 26.5 x 6 mm

B-Mode frequency: 5, 7, 9 MHz

Harmonic frequency: 7, 8, 9 MHz

Doppler frequency: 3.6, 4.2, 5.0, 6.3 MHz

Biopsy guide: single-angle, reusable bracket (H46721R), single-angle, disposable (H48681GF)

ML6-15-RS Matrix Array Linear Probe

Applications: Small Parts, Vascular, Pediatric, Neonatal, Musculoskeletal

Probe band width: 4 - 15 MHz

Number of element: >1000

FoV (max): 50.4 mm

Physical foot print: 50.4 x 6 mm

B-Mode frequency: 9, 11, 13, 15 MHz

Harmonic frequency: 8, 10, 12, 15 MHz

Doppler frequency: 5, 6.3, 8.3 MHz

Biopsy guide: multi-angle, disposable with a reusable bracket (H40432LJ)

12L-RS Linear Probe

Applications: Small Parts, Vascular, Pediatric, Neonatal, Musculoskeletal

Probe band width: 3 - 12 MHz

Number of element: 192

FoV (max): 38.4 mm

Physical foot print: 38.4 x 4 mm

B-Mode frequency: 7, 9, 11 MHz

Harmonic frequency: 9, 11, 12 MHz

Doppler frequency: 4.2, 5, 6.3, 8.3 MHz

Biopsy guide: Multi-angle, disposable with a reusable bracket (H40432LC)

9L-RS Linear Probe

Applications: Vascular, Small Parts, Pediatric, Abdomen

Probe band width: 2 - 8 MHz

Number of element: 192



FoV (max): 44.2 mm

Physical foot print: 44.2 x 6 mm

B-Mode frequency: 5, 7, 9 MHz

Harmonic frequency: 8, 9, 10 MHz

Doppler frequency: 3.1, 3.6, 4.2, 5 MHz

Biopsy guide: multi-angle, disposable with a reusable bracket (H4906BK)

L6-12-RS Linear Probe

Applications: Small Parts, Vascular, Pediatric, Neonatal, Abdomen, Musculoskeletal

Probe band width: 5 - 11 MHz

Number of element: 128

FoV (max): 38.4 mm

Physical foot print: 38.4 x 4 mm

B-Mode frequency: 7, 9, 11 MHz

Harmonic frequency: 9, 11, 12 MHz

Doppler frequency: 4.2, 5, 6.3, 8.3 MHz

Biopsy guide: multi-angle, disposable with a reusable bracket (H40432LC)

L8-18i-RS Linear Probe

Applications: Small Parts, Vascular, Pediatric, Neonatal, Intraoperative(Not for China), Musculoskeletal

Probe band width: 4 - 15 MHz

Number of element: 168

FoV (max): 25.2 mm

Physical foot print: 25.2 x 4 mm

B-Mode frequency: 8, 9, 12, 15, 18 MHz

Harmonic frequency: 9, 15, 18 MHz

Doppler frequency: 5, 6.3, 8.3 MHz

Biopsy guide: none

L4-12t-RS Linear Probe

Applications: Small Parts, Vascular, Pediatric, Neonatal, Musculoskeletal

Probe band width: 3 - 12 MHz

Number of element: 192

FoV (max): 38.4 mm

Active area: 38.4 x 4 mm

B-Mode frequency: 7, 9, 11 MHz

Harmonic frequency: 9, 11, 12 MHz

Doppler frequency: 4.2, 5, 6.3, 8.3 MHz

Biopsy guide: multi-angle, disposable with a reusable bracket (H40432LC), multi-angle, disposable with a reusable bracket (H48392LT)

L10-22-RS Linear Probe

Applications: Small Parts, Neonatal, Musculoskeletal

Probe band width: 7 - 20 MHz

Number of element: 128

FoV (max): 12.8 mm

Active area: 12.8 x 1.5 mm

B-Mode frequency: 10, 12, 16, 20 MHz

Harmonic frequency: 16, 19, 22 MHz

Doppler frequency: 11.1, 12.5, 14.3 MHz

Biopsy guide: none

L3-9i-RS Linear Probe

Applications: Small Parts, Vascular, Neonatal, Musculoskeletal, Intraoperative (Not for China)

Probe band width: 2 - 9 MHz



Number of element: 192

FoV (max): 38.4 mm

Active area: 38.4 x 4 mm

B-Mode frequency: 5, 7, 9 MHz

Harmonic frequency: 7, 8, 9, 10 MHz

Doppler frequency: 3.6, 4.2, 5 MHz

Biopsy guide: none

L3-12-RS Linear Probe

Applications: Vascular, Small Parts, Neonatal, Pediatrics, Abdomen

Probe band width: 2 - 11 MHz

Number of element: 256

FoV (Max): 51.2 mm

Physical foot print: 51.2 x 5 mm

B-Mode frequency: 5.0, 7.0, 9.0, 11.0 MHz

Harmonic frequency: 8, 10, 12 MHz

Doppler frequency: 3.6, 4.2, 5, 6.3, 8.3 MHz

Biopsy guide: multi-angle, disposable with a reusable bracket (H48302AA)

3Sc-RS Phased Array Sector Probe

Applications: Cardiac, Transcranial, Abdomen

Probe band width: 1 - 5 MHz

Number of element: 64

FoV (max): 120°

Physical foot print: 15 x 14 mm

B-Mode frequency: 2, 3, 4 MHz

Harmonic frequency: 3, 3.5, 4.0, 5.0 MHz

Doppler frequency: 1.7, 2.1, 2.5, 3.1, 3.6 MHz

Biopsy guide: multi-angle, reusable bracket (H46222LC)

6S-RS Phased Array Sector Probe

Applications: Cardiac Neonatal, Pediatric

Probe band width: 2 - 8 MHz

Number of element: 64

FoV (max): 90°

Physical foot print: 10.2 x 5.5 mm

B-Mode frequency: 4, 5, 6.5, 8 MHz

Harmonic frequency: 4.8, 5.4, 6.2 MHz

Doppler frequency: 2.8, 3.1, 3.6, 4.2, 5.0 MHz

Biopsy guide: none

12S-RS Phased Array Sector Probe

Applications: Pediatric, Neonatal

Probe band width: 4 - 12 MHz

Number of element: 96

FoV (max): 90°

Active area: 9.3 x 5.5 mm

B-Mode frequency: 7, 8, 9 MHz

Harmonic frequency: 7, 8, 9 MHz

Doppler frequency: 5.0, 6.3 MHz

Biopsy guide: none

P8D CW Split Crystal Probe

Applications: Cardiac, Vascular

P6D CW Split Crystal Probe

Applications: Cardiac, Vascular



P2D CW Split Crystal Probe

Applications: Cardiac, Vascular

6Tc-RS TEE Sector (Trans-esophageal) Probe

Applications: Cardiac (Transesophageal)

Probe band width: 2 - 8 MHz

Number of element: 64

FoV (Max): 90°

Physical foot print: 14 x 12 mm B-Mode frequency: 6.0, 7.0, 8.0 MHz

Harmonic frequency: 6 MHz

Doppler frequency: 2.8, 3.1, 3.6, 4.2, 5 MHz

Biopsy guide: none

E7C8L-C-RS Biplane Convex Probe

Applications: Urology (Transrectal)

Convex Probe band width: 4 - 11 MHz

Number of element: 128 Convex radius: 8 mmR Convex FoV (max): 136°

Convex foot print: 17.2 x 10.3 mm

B-Mode frequency: 5, 6, 7 MHz Harmonic frequency: 6, 8, 10 MHz

Doppler frequency: 4.2, 5.0, 6.3, 8.3 MHz

Biopsy Biopsy attachment : Ladder (H40202E),

AccuCARE Disposable Template Grids (17GA) 610-905

AccuCARE Disposable Template Grids (18GA) 610-906

E7C8L-L-RS Biplane Linear Probe

Applications: Urology (Transrectal)

Linear Probe band width: 3 - 11 MHz Number of element: 128

Linear foot print: 57.6 x 9.1 mm

B-Mode frequency: 6, 7, 8 MHz

Harmonic frequency: 7, 9, 11 MHz Doppler frequency: 4.2, 5.0, 6.3, 8.3 MHz

Biopsy Biopsy attachment : Ladder (H40202E),

AccuCARE Disposable Template Grids (17GA) 610-905

AccuCARE Disposable Template Grids (18GA) 610-906

Inputs and Outputs

HDMI out

Ethernet network (RJ45)

External audio out

USB ports

- OPIO Ext USB3.0 x 2 pcs
- Monitor USB2.0 x 2 pcs
- Rear USB2.0 x 3 pcs

AC power input

Probe connectors

Regulatory and Standard

Safety Conformance



The LOGIQ P9 is:

- © Classified to ANSI/AAMI ES60601-1 Medical Electrical Equipment, Part 1: General Requirements for Safety by a Nationally Recognized Test Lab
- © Certified to CSA CAN/CSA-C22.2 NO. 60601-1 General requirements for safety
- © CE Marked to Regulation (EU) 2017/745 on Medical Devices Conforms to the following standards for safety:
- IEC/EN 60601-1 Medical electrical equipment Part 1: General requirements for basic safety and essential performance
- IEC/EN 60601-1-2 Medial electrical equipment Part 1-2: General requirements for safety Collateral Standard: Electromagnetic compatibility requirements and tests
- IEC/EN 60601-1-6 Medical electrical equipment Part 1 -6: General requirements for basic safety and essential performance Collateral Standard: Usability
- IEC/EN 60601-1-9 Medical electrical equipment Part 1 -9: General requirements for basic safety and essential performance –Collateral Standard: Requirements for environmentally conscious design
- IEC/EN 60601-2-37 Medical electrical equipment Part 2-37: Particular requirements for the safety of ultrasonic medical diagnostic and monitoring equipment
 - IEC/EN 62366-1 Application of usability engineering to medical devices
 - IEC/EN 62304 Software Life Cycle Processes
- IEC/EN 62359 Ultrasonic Field characterization Test methods for the determination of thermal and mechanical indices related to medical diagnostic ultrasonic fields
 - EN ISO 15223-1: Symbols to be used with medical device labels, labelling and information to be supplied
- ISO 10993-1 Biological evaluation of medical devices Part 1 Evaluation and testing
- ISO 17664-2: Processing of health care products Information to be provided by the medical device manufacturer for the processing of medical devices
 - ISO14971 (Medical devices Application of risk management to medical devices)
 - EMC Emissions Group 1, class A device requirements as per Sub clause 4.2 of CISPR 11
 - WEEE (Waste Electrical and Electronic Equipment)
 - RoHS according to 2011/65 EU, EU Directive 2015/863 Including national deviations
 - Wireless equipment shall be certified to FCC, RED and Japan Radio Law.
- Medical Device Good Manufacturing Practice Manual issued by the FDA (Food and Drug Administration, Department of Health, USA).