

LOGIQ V2 Ultrasound System



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The LOGIQ[™] V2 is a compact designed ultrasound imaging system designed for Abdominal, Obstetrical, Gynecological, Small Parts, Vascular/Peripheral Vascular, Urological, Transcranial and Cardiac applications.

General specifications

Dimensions and weight

Height: 120mm Length: 396mm Width: 368mm Weight: 6kg with battery

Electrical power

Voltage: 100-240 VAC Frequency: 50/60 Hz Power consumption: Maximum of 200 VA with peripherals

Console design

1 inbuilt active probe ports 2nd probe port with optional adapter Integrated HDD (120GB) Integrated speakers

User interface

Operator keyboard

Ergonomic full size keyboard 8 TGC Slider segments (pods)

Monitor

15" (381mm) high-resolution LCD (1024X768 pixels) Brightness adjustment

System overview

Applications Abdomen Obstetrics Gynecological Cardiac Vascular Transcranial Musculoskeletal Urological Small Parts Pediatric & Neonatal

Scanning methods

Electronic Convex Electronic Linear Electronic Sector

Transducer types

Convex Array Linear Array Sector Phased Array

Operating modes

- B-Mode
- Coded Phase Inversion Harmonic Imaging
- M-Mode
- Color M Mode
- Color Flow Mode (CFM)
- Power Doppler Imaging (PDI)
- Directional PDI
- PW Doppler with High PRF
- Anatomical M-Mode (Option)
- CW Doppler Mode (Option)

System standard features

AO (Automatic Optimization) CrossXBeam™ SRI-HD (High Definition Speckle Reduction Imaging) **B-Steer** Coded Phase Inversion Harmonic Imaging Virtual Convex Patient information Database Image Archive on integrated HDD Raw Data Analysis (TruScan) Real-time automatic Doppler calculations **OB** Calculations Fetal Trending Multi-gestational Calculations Hip Dysplasia Calculations Gynecological Calculations Vascular Calculations **Urological Calculations Renal Calculations Cardiac Calculations** Remote capability: InSite ExC On-board reporting package **MPEGVue** Network Storage

System Options

Auto-IMT CW Doppler DICOM® 3.0 Connectivity Anatomical M-Mode (AMM) LOGIQ View Easy 3D (Free Hand 3D) Scan Assistant Scan Coach SonoBiometry

Peripheral Options Supported

Digital UP-D25MD Color thermal printer Digital UP-D897 BW thermal printer Digital UP-D898MD BW thermal printer HP office jet 100 Mobile Printer HP office jet Pro 8100 Printer (supported) 1-Pedal type footswitch 'Whanam FSU-1000' Footswitch MKF 2-MED USB GP26 SanDisk USB Stick 4G 1TB mobile USB HDD DVD RW Kit, LITEON eUAU108 Wireless USB adapter

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/CrossXBeam
- B + CFM/M
- Real Time Triplex Mode (B + CFM or PDI/PW or CW)
- Dual B (B/B)

Selectable alternating Modes

- B/M
- B/PW
- B + CFM/M
- B + CFM (PDI)/PW (CW)
- 3D-Mode
- 3D-Mode Color
- B/CW (Option)
- 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

Time line display

- Independent Dual B/PW or CW Display
- 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; 1/4:3/4; TL only)

Switchable after Freeze

- Timeline only
- Virtual Convex
- CrossXBeam

Display annotation

Patient Name: First, Last (Max 28 characters displayed per each, Up to 64 total characters per each)

Patient ID (Max 54 characters)

Other ID (Max 54 characters)

Age, Sex and Date of Birth

Hospital Name (Max 23 characters displayed)

Date format: 3 Types selectable

- MM/DD/YY
- DD/MM/YY
- YY/MM/DD

Time format: 2 types selectable

- 24 hours
- 12 hours

Gestational Age from

- LMP GA
- EDD BBT

Displayed Acoustic Output

- TIS: Thermal Index Soft Tissue
- TIC: Thermal Index Cranial (Bone)
- TIB: Thermal Index Bone
- MI: Mechanical Index
- % of Maximum Power output 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 Average
- Frame Rate
- Gray Map
- ATO On/Off
- SRI-HD
- CrossXBeam

M-Mode

- Gain
- Time Scale

Doppler Mode

- Gain
- Angle
- Sample Volume Depth and Width
- Wall Filter
- Velocity and/or Frequency Scale
- Spectrum Inversion
- Time Scale
- PRF
- Doppler Frequency

Color Flow Mode

- Line Density
- Frame Average
- Packet Size
- Color Scale: 2 types
 - Power
 - Directional PDI
- Color Velocity Range and Baseline
- Color Threshold Marker
- Color Gain
- PDI
- Inversion
- Doppler Frequency

TGC Curve

Cine Gage, Image Number/Frame Number Body Pattern: Multiple human Application Name Measurement Results Operator Message Biopsy Guide Line and Zone Heart Rate

General System Parameters

System Setup

- 8 Pre-programmable Categories
- User Programmable Preset Capability
- 248 presets (8 (application groups) × 4 (user defined) + 30(applications)) × 4 (probes)
- Factory Default Preset Data
- 120 presets (30(applications) x 4 (probes))
- Languages: English, Latin American Spanish, French, German, Italian, Brazilian Portuguese, Chinese (Simplified), Swedish, Russian, Norwegian, Danish, Dutch, Finnish, Japanese
- OB Report Formats including Tokyo Univ., Osaka Univ., USA, Europe, and ASUM
- User Defined Annotations
- Body Patterns
- Customized Comment Home Position
- System Boot-up Time: 120 seconds
- System Shut-down Time: 40 seconds
- BTU (Heat dissipation): Typical Input power during scanning with full configuration: 511 BTU (th) / hr. (1BTU=0.293071W)

CINE Memory/Image Memory

System RAM: 2GB Processor: Intel Celeron 1047 (1.4G x2 core) 128 MB of Cine Memory Max number of Cine loops: 2269 frames Selectable Cine Sequence for Cine Review Prospective Cine Mark Measurements/Calculations and Annotations on Cine Playback Scrolling timeline memory Dual Image Cine Display Quad Image Cine Display Cine Gauge and Cine Image Number Display Cine Review Loop Cine Review Speed: 11 steps (11, 13, 14, 17, 22, 25, 31, 48, 100, 200, 400%)

Image Storage

On-board database of patient information Storage Formats:

- DICOM compressed/uncompressed, single/multi-frame, with/ without Raw Data
- Display Format: Full Size, 4x4 and "thumbnails"
- Storage Devices:
- Internal Hard Drive Partition of 55 GB for Image Storage. At 22KB/ image, it can store 2,621,440 still images.
- External SD card, USB HDD and USB Memory Stick Support for Import, Export, DICOM Read, SaveAs, and MPEGVue
- CD-RW 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 stored images with current exam Storematrix: 800 × 600 × 24 Bit (Image Only) 1024 × 768 ×2 4 Bit (Normal Display)

Reload of archived data sets Network Storage support for Import, Export, DICOM Read, SaveAs, MPEGVue

Connectivity & DICOM

Ethernet network connection

- DICOM 3.0 (Optional)
- Verify
- Print
- Store
- Modality Worklist
- Storage Commitment
- Modality Performed Procedure Step (MPPS)
- Query/Retrieve
- Structured Reporting Template which can be compared to vascular and OB standard
- Remote capability InSite ExC

Scanning Parameters

Digital Agile Beamformer Architecture 193,536 System Processing Channels Max. Frame Rate: 1100 F/s Displayed Imaging Depth: 0 – 33 cm Minimum Depth of Field: 0 - 2 cm (Zoom) (probe dependent) Maximum Depth of Field: 0 – 33 cm (probe dependent) Transmission Focus: 1 – 8 Focal Points selectable (probe and application dependent) Quad Beamforming Continuous Dynamic Receive Focus/Aperture Multi-Frequency/Wideband Technology Frequency Range: 1.7 to 13 MHz Max Frequency Bandwidth: 13MHz 256 Shades of Gray 224dB Composite Dynamic Range Adjustable Dynamic Range (36 - 96dB) Adjustable Field of View (FOV): up to 128 degree (depending on probe) Image Reverse: Right/Left Image Rotation of 0,° 180°

B-Mode

Acoustic Power Output: 0 - 100%, 2, 5, and 10 steps Gain: from 0 – 90 dB, 1 dB steps Adjustable Dynamic Range: 36 – 96 dB, 3 or 6 dB steps Frame Average: 8 steps, probe depend Gray Scale Map: 7 types, probe depend Colorize Map / Tint Map: 9 types Frequency: Up to 11 selectable (depending on probe) Line Density: 5 steps Line Density Zoom: 5 steps Thermal Index: TIC, TIS, TIB Image Reverse: On/Off Maximum Focus Number: 8 steps on any probe/application Focus Width: 3 types Suppression: 6 steps Edge Enhance: 7 steps Rejection: 6 steps Steered Linear: ±15° Scanning Size (FOV or Angle - depending on the probe) SRI-HD: Up to 6 Levels selectable CrossXBeam: Up to 7 Angles selectable Depth: 2 - 33 cm, 0.5 or 1 cm step, Probe dependent

M-Mode

Gain: –20 -20 dB, 1 dB step Gray Scale Map: 7 types B Colorization: 9 types 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 (Option)

M-Mode cursor adjustable at any plane Can be activated from a Cine loop from a live or stored image M and A capability Available with Color Flow Mode

Pulse Wave Doppler Mode

- Acoustic Power: 0 100%, 2, 5, and 10 steps
- Gain: 0 -85 dB, 1 dB step
- Gray Scale Map: Up to 8 types
- PRF: 0.3 27.9 KHz
- Transmit Frequency: 1.7~6.3MHz,probe depend
- Wall Filter: 5.5 5000Hz, 27 steps, dependent on probe
- PW Colorization: Up to 6 types
- Velocity Scale Range: 0.4 ~ 4084 cm/s
- Sweep Speed: 0~7, 8 steps
- Sample Volume Depth: 0.2~30 cm, probe depend
- SV Gate: 1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16 mm
- Angle Correction: -90 to +90degree, 1 degree steps
- M/PW Display Format: V-1/3B, V-1/2B, V-2/3B, H-1/2B, H-1/4B, Timeline only
- Spectrum Inversion
- Duplex: Simultaneous: On/Off (PW only)
- PW Angle Steer: 0, ±10, 15, 20°
- Sample Volume Depth: 75 steps default pre-settable, probe dependent
- Trace Method: Off, Max, Mean
- Baseline Shift: 11 steps
- Doppler Auto Trace
- Compression: 0.5~2.4 9steps (0.5,0.7,0.9,1,1.1,1.4,1.6,2,2.4)
- Trace Direction: Above, Below, Both
- Trace Sensitivity: 0~40, 2 steps

Color Flow Mode

Baseline Shift: 0-100%/11 steps Invert: On/Off CF/PDI Focus Depth: default pre-settable for 10 - 100% of ROI in depth, 10% or 16% step CF/PDI Flash Suppression: 5 steps CF/PDI Angle Steer: 0, ±10°, ±15°, ±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 - 18.5 KHz/19 steps Min PRF: 0.1 KHz; Max PRF: 18.5KHz Velocity Range: 2 - 300 cm/s Spatial Filter: 6 steps Gain: 0 – 40 dB, 0.5 dB per step (totally 81 steps) Wall Filter: 0-3 / 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 4, depending on probe Color Maps, including velocity-variance maps: 14 types depending on Application Transparent: 5 steps Echo/Color Priority: 0 - 100%/11 steps (Color Threshold) Accumulation: 8 steps Max. Frame Rate: 324 fps (3Sc probe) Max FR in Triplex: 307 fps

Power Doppler Imaging

PDI Map: 14 types CF/PDI Focus Depth: default pre-settable for 10 - 100% of ROI in Depth, 10% or 15% step CF/PDI Acoustic Output: 0 – 100%, 2%, 5% or 10% step CF/PDI Angle Steer: 0, ±10°, ±15°, ±20° Packet Size: 8 – 24, dependent on probe and application Spatial Filter: 6 steps Frame Average: 7 steps PRF: 0.1 - 18.5 KHz/19 steps Power Threshold: 0 - 100%, 10% steps Gain: 0 – 40 dB, 0.5 dB steps Wall Filter: 4 steps depending on probe and application CF/PDI Frequency: Up to 4 steps, depending on probe Transparent: 5 steps Invert: On/Off Accumulation: 8 steps Flash Suppression

Continuous Wave Doppler (Option)

Gray Scale Map: 8 types Baseline: 11 steps Angle Correct: ±90°, 1° step Spectral Color: 6 types Invert: On/Off Gain: 0 – 85 dB, 1 dB steps Wall Filter: 5.5 – 5000Hz, 27 steps, dependent on probe and application CW-Mode includes:

- Transmit Frequency
- CW Colorization
- Velocity Scale Range: 6 ~ 6004cm/s
- Spectrum Inversion
- Trace Method
- Doppler Auto Trace
- Trace Direction
- Trace Sensitivity

Spectral Doppler Mode

PRFs: 0.3 - 27.9 KHz

Velocity Range (PW) : Min: 1 cm/s Max: 4711 cm/s with 80 Angle Correction Max: 1636 cm/s with 60 Angle Correction Max: 818 cm/s with 0 Angle Correction

Velocity Range (CW): Min: 6cm/s

Max: 6004cm/s with 80 Angle Correction Max: 2120cm/s with 60 Angle Correction Max: 1060cm/s with 0 Angle Correction

Auto Optimization

Optimize B-Mode image to improve contrast resolution

Selectable amount of contrast resolution improvement (low, medium, high)

Auto-Spectral Optimize adjusts

- Baseline
- Invert
- PRF (on live image)
- Angle correction

Coded Harmonic Imaging

Coded Phase Inversion Harmonic Imaging Available on all 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 to 96dB, 36~48/78~96 6dB step; Rejection: 6 step Frequency: Up to 4 steps, probe depended

LOGIQView (Option)

Extended Field of View Imaging For use in B-Mode CrossXBeam is available on linear probes Auto detection of scan direction Post-process zoom Rotation Auto fit on monitor Measurements in B-Mode Up to 60cm scan length

Easy 3D (Option)

Allows unlimited rotation and planar translations 3D reconstruction from Cine sweep

Scan Assistant (Option)

Factory Programs User defined programs Steps include image annotations, mode transitions, basic imaging controls and measurement initiation

Scan Coach (Option)

Modules showing basic scanning techniques with graphic of beam formation, indicative probe position, schematic of anatomy and example clinical reference image. Covers Obstetrics, Gynecology & Abdomen applications.

SonoBiometry (Option)

SonoBiometry is a workflow tool available on the LOGIQ Vision series that automatically places calipers for fetal biometry measurements, thus helping the user to perform these fetal measurements quickly. This tool can help enhance clinical workflow by reducing keystrokes to perform biometry measurements. Additionally, the user has the option to either accept or edit the measurement suggested by this tool.

Algorithms: Auto measurement of Bi-Parietal Diameter, Head Circumference, Abdominal Circumference & Femur Length

Virtual Convex

Provides a convex field of view Compatible with CrossXBeam Available on linear and Sector transducers

SRI-HD

High Definition Speckle Reduction Imaging Provides multiple levels of speckle reduction Compatible with Side by Side DualView Display Compatible with all linear, convex and sector transducers Compatible with B-Mode, 3D/4D imaging

CrossXBeam

Provides 3, 5, 7 of spatial compounding Live Side by Side DualView Display Compatible with:

- Color Mode
- PW
- SRI-HD
- Coded Harmonic Imaging

Virtual Convex
Available on 4C-RS, L6-12-RS, E8C-RS 12L-RS, 8C-RS and LK760-RS.

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 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 Average Frequency/Velocity Base Line Shift

Controls Available on "Freeze" or Recall

Automatic Optimization SRI-HD CrossXBeam – Display non-compounded and compounded image simultaneously in split screen 3D reconstruction from a stored Cine loop B/M/CrossXBeam Mode Gray Map Optimization TGC Colorized B and M Frame Average (loops only) Dynamic Range: Anatomical M-Mode Sweep Speed 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 Overall Gain (loops and stills) Color Map Transparency Map Frame Average (loops only) **Flash Suppression** CFM Display Threshold Spectral Invert for Color/Doppler Anatomical M-Mode on Cine loop

Measurements/Calculations

General B-Mode

Depth and 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) ED (End Diastole) PS/ED (PS/ED Ratio) ED/PS (ED/PS Ratio) AT (Acceleration Time) ACCEL (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 (PS/ED Ratio) ED/PS (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)
- 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 (EFW) by:
- AC, BPD
- AC, BPD, FL, HC
- AC, FL, HC
- BPD, APTD, TTD, FL

Calculations and Ratios

- FL/BPD
- FL/HC
- CI (Cephalic Index)
- CTAR(Cardio-Thoracic Area Ratio)

Measurements/Calculations by: ASUM, ASUM 2001, Berkowitz, Bertagnoli, Brenner, Campbell, CFEF, Chitty, Eik-Nes, Ericksen, Goldstein, Hadlock, Hansmann, Hellman, Hill, Hohler, Jeanty, JSUM, Kurtz, Mayden, Mercer, Merz, Moore, Nelson, Osaka University, Paris, Rempen, Robinson, Shepard, Shepard/Warsoff, Tokyo University, Tokyo/Shinozuka, 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 Calculations Expanded Worksheets

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 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 Arterv) 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) Automatic IMT Summary Reports

Urological Calculations

Bladder Volume Prostate Volume Lt/Rt 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

Probes

4C-RS

Convex Probe

- Frequency Range: 2.0-5.0MHz
- Applications: Abdomen, OB/Gyn, Vascular, Urology
- Number of Element: 128
- Convex Radius: 60 mmR
- FOV: 55°
- Footprint: 18.3 x 66.2 mm
- B-Mode Imaging Frequency 2.0, 3.0, 4.0, 5.0 MHz
- Harmonic Imaging Frequency: 3.0, 4.0, 5.0 MHz
- CFM/PDI/PWD Frequency: 2.0, 2.8, 3.6 MHz
- Biopsy Guide: Multi Angle, Reusable Bracket

L6-12-RS

Linear Probe

- Frequency Range: 4.0 13.0 MHz
- Applications Vascular, Small Parts, Pediatrics
- Number of Element: 128
- Footprint: 38.4 x 6.0 mm
- B-Mode Imaging Frequency: 6.0, 8.0, 10.0, 11.0 MHz
- Harmonic Imaging Frequency: 8.0, 10.0, 12.0, 13.0 MHz
- Highest Linear Harmonics: 13MHz
- CFM/PDI/PWD Frequency: 4.0, 5.0, 6.0 MHz
- Steered Angle : +/-20°°
- Steering steps: 23 steps, in Fine Angle Steer (from -20 to +20, 1 or 2 degree steps)
- Max Steering Angle: +- 20 degrees in Fine Angle Steer
- Biopsy Guide: Multi Angle, Reusable Bracket

E8C-RS

Endo Micro Convex Probe

- Frequency Range: 4.2 10.0MHz
- Applications: OB/Gyn, Urology, Transvaginal,
- Transrectal
- Number of Element: 128
- Convex Radius: 10.73 mmR
- FOV: 128°
- Footprint: 16.9 x 21.2 mm
- B-Mode Imaging Frequency: 6.0, 8.0, 10.0 MHz
- Harmonic Imaging Frequency:
- 7.0, 8.0, 10.0 MHz
- CFM/PDI/PWD Frequency: 4.2, 5.0, 6.3 MHz
- Biopsy Guide: Fixed Angle,
- Disposable, or Reusable Bracket

3Sc-RS

Phased Array Sector Probe

- Frequency Range: 1.7 4.0 MHz
- Applications: Cardiac, Transcranial
- Number of Element: 64
- FOV: 120°
- Footprint: 27.6 x 19.3 mm
- B-Mode Imaging Frequency: 2.0, 3.0, 4.0 MHz
- Harmonic Imaging Frequency: 3.0, 3.2, 3.5, 4.0 MHz
- CFM/PDI/PWD Frequency: 1.7, 2.0, 2.5, 3.3 MHz
- CWD Frequency: 1.9 MHz
- Biopsy Guide: Multi Angle, Reusable Bracket

8C-RS

Convex Probe

- Frequency Range: 4.2 10.0 MHz
- Applications: Pediatric ,cardiac, Small Parts
- Number of Element: 128
- Convex Radius: 10.73 mmR
- FOV: 128°
- Footprint: 12.0 x 22.0 mm
- B-Mode Imaging Frequency 6.0 8.0 10.0 MHz
- Harmonic Imaging Frequency: 7.0 8.0 10.0 MHz
- CFM/PDI/PWD Frequency: 4.2 5.0 6.3 MHz

12L-RS

Linear Probe

- Frequency Range:4.2– 13.0 MHz
- Applications: Vascular, Small Parts, Pediatrics
- Number of Element: 192
- Footprint: 12.7 x 47.1mm
- B-Mode Imaging Frequency: 6.0, 8.0, 10.0, 12.0 MHz
- Harmonic Imaging Frequency: 8.0, 10.0, 12.0, 13.0 MHz
- Highest Linear Harmonics: 13MHz
- CFM/PDI/PWD Frequency:4.2 6.3 7.7 MHz
- Steered Angle : +/-20°°
- Steering steps: 23 steps, in Fine Angle Steer (from -20 to +20, 1 or 2 degree steps)
- Max Steering Angle: +- 20 degrees in Fine Angle Steer
- Biopsy Guide: Multi Angle, Reusable Bracket

LK760-RS

Linear Probe

- Frequency Range: 5.0-10.0 MHz
- Applications:Small Parts
- Number of Element: 128
- Footprint: 38.4 x 6.0 mm
- B-Mode Imaging Frequency: 5.0 7.0 9.0 MHz
- Harmonic Imaging Frequency: 6.0 8.0 10.0 MHz
- Highest Linear Harmonics: 10.0 MHz

Inputs and Outputs

HDMI output VGA output with optional adapter TV output (S-video and composite video) 100BASE-TX Ethernet (RJ45) 2 USB ports

Safety Conformance

The LOGIQ V2 is:

CE Marked to Council Directive 93/42/EEC on Medical Devices Conforms to the following standards for safety:

- IEC 60601-1 Medical electrical equipment—Part 1: General
- requirements for safety
- IEC 60601-1-2 Medial electrical equipment—Part 1-2 General requirements for safety—Collateral Standard: Electromagnetic compatibility—requirements and tests EMC Emissions Grp-1
- Class A device requirements as per CISPR 11
- IEC 60601-2-37 Medical electrical equipment—Part 2-37: Particular requirements for the safety of ultrasonic medical diagnostic and monitoring equipment
- ISO 10993-1 Biological evaluation of medical devices—Part 1 Evaluation and testing
- EN 62366 Medical devices Application of usability engineering to medical devices



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Imagination at work

Data subject to change

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