



LOGIQ Fortis R4.x HDU

Product Specification Sheet

Last updated on: Thursday, June 27, 2024

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| 1 | General Specifications | |
| 2 | Dimensions and Weight (Dimensions given with floating keyboard stowed and display tilted for transport) | |
| 3 | Height | 1250 – 1800 mm (49 – 71 in) |
| 4 | Width | 530 mm, 20.9" (Caster), 565 mm, 22.2" (Monitor) |
| 5 | Depth | 885 mm (34.8 in) |
| 6 | Weight | 85 kg (187.4 lb) |
| 7 | Electrical Power | |
| 8 | Voltage: 100 – 240 Vac | |
| 9 | Frequency: 50/60 Hz | |
| 10 | Power consumption maximum of 0.9 kVA with peripherals | |
| 11 | Console Design | |
| 12 | 4 active physical probe ports | |
| 13 | 1 inactive probe storage port | |
| 14 | Wireless probe connection, capable of connecting Vscan Air™ wireless and linear probes | |
| 15 | Integrated SSD (1 TB) | |
| 16 | Integrated DVD-R Multi Drive | |
| 17 | On-board storage of thermal printer | |
| 18 | Integrated speaker | |
| 19 | Integrated locking mechanism that provides rolling lock and caster swivel lock | |
| 20 | Integrated cable management | |
| 21 | Front and rear handles | |
| 22 | Easily removable air filters | |
| 23 | Windows 10 Enterprise LTSC 2019 (64-bit) | |
| 24 | User Interface | |
| 25 | Operator Keyboard | |
| 26 | Operating keyboard adjustable in height and rotation | |
| 27 | Ergonomic hard key layout | |
| 28 | Interactive back-lighting | |
| 29 | Integrated recording keys for remote control of up to 4 peripheral devices or DICOM® devices | |
| 30 | Integrated gel warmer | |
| 31 | Touch Screen | |
| 32 | 12.1" High-resolution, color, touch, display screen | |
| 33 | Interactive dynamic software menu | |
| 34 | Brightness adjustment | |
| 35 | User-configurable layout | |
| 36 | Monitor | |
| 37 | 23.8" Wide screen high-resolution HDU display | |
| 38 | Display translation (independent of console) | |
| 39 | 350 mm, (13.7 in) horizontal (both directions) | |
| 40 | 150 mm, (5.9 in) vertical | |
| 41 | 90° swivel (both directions) | |
| 42 | Fold-down and lock mechanism for transportation | |
| 43 | Resolution: 1920 X 1080 | |
| 44 | Anti-glare | |
| 45 | Viewing angle 89/89/89/89° | |
| 46 | Contrast Ratio: >25,000:1 | |

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| 47 | System Overview |
| 48 | Applications |
| 49 | Abdominal |
| 50 | Obstetrical |
| 51 | Gynecological |
| 52 | Breast |
| 53 | Small Parts |
| 54 | Peripheral Vascular |
| 55 | Transcranial (adult and neonatal) |
| 56 | Pediatric and Neonatal |
| 57 | Musculoskeletal (general and superficial) |
| 58 | Urological |
| 59 | Cardiac (adult and pediatric) |
| 60 | Interventional |
| 61 | Pleural |
| 62 | Operating Modes |
| 63 | B-Mode |
| 64 | M-Mode |
| 65 | Color Flow Mode (CFM) |
| 66 | Microvascular Imaging (MVI) |
| 67 | Power Doppler Imaging (PDI) |
| 68 | B-Flow (Option) |
| 69 | Extended Field of View (LOGIQView) |
| 70 | PW Doppler |
| 71 | CW Doppler (Option) |
| 72 | Volume Modes (3D/4D) (Option) |
| 73 | Anatomical M-Mode |
| 74 | Contrast Imaging (Option) |
| 75 | Strain elastography (Option) |
| 76 | Shear wave elastography (Option) |
| 77 | UGAP (Option) - Ultrasound Guided Attenuation Parameter Imaging |
| 78 | Scanning Methods |
| 79 | Electronic sector |
| 80 | Electronic convex |
| 81 | Electronic linear |
| 82 | Mechanical volume sweep |
| 83 | Probe Types |
| 84 | Sector/Phased array |
| 85 | Curved Linear array |
| 86 | Microcurved linear array |
| 87 | Linear array |
| 88 | Matrix array (Linear) |
| 89 | Volume probes (4D) |
| 90 | Split crystal |
| 91 | TEE probe |
| 92 | System Standard Features |
| 93 | Advanced user interface with high-resolution 12.1" display touch panel |
| 94 | Automatic optimization |
| 95 | CrossXBeam™ compounding |
| 96 | Speckle Reduction Imaging (SRI-HD, Advanced SRI Type 1) |
| 97 | Fine angle steer |
| 98 | Coded harmonic imaging |
| 99 | Virtual convex |
| 100 | Patient information database |
| 101 | Image archive on hard drive |
| 102 | Advanced 3D |
| 103 | Raw data analysis |
| 104 | Real-time automatic Doppler calculations |
| 105 | OB calculations |
| 106 | Fetal trending |
| 107 | Multi gestational calculations |

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| 108 | Hip dysplasia calculations |
| 109 | Gynecological calculations |
| 110 | Vascular calculations |
| 111 | Urological calculations |
| 112 | Renal calculations |
| 113 | Cardiac calculations |
| 114 | InSite™ capability |
| 115 | On-board electronic documentation |
| 116 | Auto Doppler Assist |
| 117 | Privacy and security, including user and rights management |
| 118 | DICOM |
| 119 | LOGIQView |
| 120 | External USB printer connection |
| 121 | Network printer support |
| 122 | HDMI output (available for compatible devices) |
| 123 | App Launchpad |
| 124 | System Options |
| 125 | B-Flow |
| 126 | Compare Assistant |
| 127 | Auto IMT |
| 128 | Scan Assistant |
| 129 | Breast productivity package |
| 130 | Thyroid productivity package |
| 131 | OB measure assistant |
| 132 | Quantificative Flow Analysis available with Color Flow/PDI |
| 133 | Breast Measure Assistant |
| 134 | B Steer+ |
| 135 | Strain elastography |
| 136 | Elastography Quantification |
| 137 | Advanced privacy and security (vulnerability scan) |
| 138 | Power assistant and scan on battery |
| 139 | Storage bins |
| 140 | Shear wave Elastography |
| 141 | Volume Navigation |
| 142 | UGAP |
| 143 | Hepatic Assistant |
| 144 | Coded Contrast Imaging |
| 145 | Stress echo |
| 146 | Cardiac Strain (Automatic Function Imaging) |
| 147 | On-board reporting |
| 148 | TVI |
| 149 | Wireless LAN |
| 150 | CW |
| 151 | DVR |
| 152 | Table tools |
| 153 | Advanced probes |
| 154 | Breast Assistant, Powered by Koios DS™ |
| 155 | Thyroid Assistant, Powered by Koios DS™ |
| 156 | SonoNT SonoIT |
| 157 | Advanced SRI Type 2 |
| 158 | Auto Preset Assistant |
| 159 | Auto Abdominal Color Assistant |
| 160 | Auto Renal Measure Assistant |
| 161 | Contrast LI-RADs |
| 162 | Raw Data Streaming |
| 163 | Peripheral Options |
| 164 | Integrated Option for Digital Color thermal Printer |
| 165 | Integrated Option for DVD Drive |
| 166 | Digital A6 color thermal printer |
| 167 | Foot switch, with programmable functionality |
| 168 | CRF-200U card reader support (Japan Only) |
| 169 | Console protective cover |

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| 170 | LOGIQ smart device apps | <ul style="list-style-type: none"> • Photo Assistant • Remote Control |
| 171 | Vscan Air™ On-System Charger | |
| 172 | Display Modes | |
| 173 | Live and stored display format | <ul style="list-style-type: none"> • Full size and split screen – both w/ thumbnails. For still and CINE |
| 174 | Review image format | <ul style="list-style-type: none"> • 4x4, and thumbnails. For still and CINE |
| 175 | Time line display | <ul style="list-style-type: none"> • Independent Dual B or CrossXBeam/PW Display • CW • Display formats top/bottom selectable format • Side/side selectable format |
| 176 | Virtual convex | |
| 177 | Simultaneous capability | |
| 178 | B or CrossXBeam/PW | |
| 179 | B or CrossXBeam/CW (Option) | |
| 180 | B or CrossXBeam/CFM or PDI | |
| 181 | B/M | |
| 182 | B/CrossXBeam | |
| 183 | B-Flow/PW | |
| 184 | Real-time Triplex Mode - B or CrossXBeam + CFM or PDI/PW | |
| 185 | Selectable alternating modes | |
| 186 | B or CrossXBeam/PW | |
| 187 | B or CrossXBeam + CFM (PDI)/PW | |
| 188 | B/CW (Option) | |
| 189 | Multi-image (split/quad screen) | |
| 190 | Live and/or frozen | |
| 191 | B or CrossXBeam + B or CrossXBeam/CFM or PDI or B-Flow (Option) | |
| 192 | PW/M | |
| 193 | Independent Cine playback | |
| 194 | Display Annotation | |
| 195 | Patient name: first, last and middle | |
| 196 | Patient ID | |
| 197 | Alternate patient ID | |
| 198 | Age, sex and date of birth | |
| 199 | Hospital name | |
| 200 | Date format: three types selectable | <ul style="list-style-type: none"> • MM/DD/YY • DD/MM/YY • YY/MM/DD |
| 201 | Time format: 2 types selectable | <ul style="list-style-type: none"> • 24 hours • 12 hours |
| 202 | Gestational age from | <ul style="list-style-type: none"> • LMP • GA • EDD • BBT |
| 203 | Probe name | |
| 204 | Map names | |
| 205 | Probe orientation | |
| 206 | Depth scale marker | |
| 207 | Lateral scale marker | |
| 208 | Focal zone markers | |
| 209 | Image depth | |
| 210 | Zoom depth | |
| 211 | B-Mode | <ul style="list-style-type: none"> • Gain • Dynamic range • Imaging frequency • Frame averaging • Gray map • SRI |

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| 212 | M-Mode | <ul style="list-style-type: none"> • Gain • Dynamic range • Time scale |
| 213 | Doppler Mode | <ul style="list-style-type: none"> • Gain • Angle • Sample volume depth and width • Wall filter • Velocity and/or frequency scale • Spectrum inversion • Time scale • PRF • Doppler frequency |
| 214 | Color Flow Doppler Mode | <ul style="list-style-type: none"> • Line density • Frame averaging • Color scale, 3 types: Power, directional PDI and symmetrical velocity imaging • Color velocity range and baseline • Color threshold marker • Color gain • PDI • Spectrum inversion • Doppler frequency |
| 215 | Digital TGC with 8 independent controls | |
| 216 | TGC Curve | |
| 217 | Acoustic frame rate | |
| 218 | CINE gage, image number/frame number | |
| 219 | Body pattern: multiple human and animal types | |
| 220 | Application name | |
| 221 | Measurement results | |
| 222 | Operator message | |
| 223 | Displayed acoustic output | <ul style="list-style-type: none"> • TIS: Thermal Index Soft Tissue • TIC: Thermal Index Cranial (Bone) • TIB: Thermal Index Bone • MI: Mechanical Index |
| 224 | % of maximum power output | |
| 225 | Biopsy guide line and zone | |
| 226 | Heart rate | |
| 227 | General System Parameters | |
| 228 | System Setup | |
| 229 | Pre-programmable categories | |
| 230 | User programmable preset capability | |
| 231 | Factory default preset data | |
| 232 | Languages: English, French, German, Spanish, Italian, Brazilian, Portuguese, Russian, Greek, Swedish, Danish, Dutch, Finnish, Norwegian | |
| 233 | OB Report Formats including Tokyo Univ., Osaka Univ., USA, Europe and ASUM and WHO | |
| 234 | User defined annotations | |
| 235 | Body patterns | |
| 236 | Customized comment home position | |
| 237 | EZ Imaging: Simplified user interface for high volume workflow | |
| 238 | Complete user manual available on board through Help (F1) | |
| 239 | User manual and service manual are included in USB stick with each system. A printed manual is available upon request. | |
| 240 | CINE Memory/Image Memory | |
| 241 | 1 GB of CINE memory | |
| 242 | Selectable CINE sequence for CINE review | |
| 243 | Prospective CINE mark | |
| 244 | Measurements/calculations and annotations on CINE playback | |
| 245 | Scrolling timeline memory | |
| 246 | Dual Image CINE display | |
| 247 | Quad Image CINE display | |
| 248 | CINE gauge and CINE image number display | |
| 249 | CINE review loop | |
| 250 | CINE review speed | |
| 251 | Image Storage | |

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| 252 | On-board database of patient information from past exams | |
| 253 | Storage formats: DICOM | <ul style="list-style-type: none"> • Compressed/uncompressed • Single/multi-frame • Enhanced (3D/4D) • With/without raw data |
| 254 | Exportable DICOM viewer | |
| 255 | Export BMP, JPEG, JPEG 2000, PNG, AVI, MP4, WMV formats | |
| 256 | Storage devices: | <ul style="list-style-type: none"> • USB memory stick: 64 MB to 64 GB (for exporting individual images/clips) • CD-R storage: 700 MB • DVD storage: -R (4.7 GB) • Hard drive image storage: ~730GB |
| 257 | Compare previous exam images with current exam | |
| 258 | Reload of archived date sets | |
| 259 | Connectivity | |
| 260 | Ethernet network connection | |
| 261 | Wireless LAN 802.11ac/a/b/g/n (Option) | |
| 262 | DICOM 3.0 | <ul style="list-style-type: none"> • Verify • Print • Store • Modality worklist • Storage commitment • Modality performed procedure step (MPPS) • Media exchange • Off network/mobile storage queue • Query/retrieve |
| 263 | Public SR template | |
| 264 | Structured Reporting – compatible with vascular and OB, cardiac and breast standard | |
| 265 | InSite capability | |
| 266 | Advanced privacy and security (Option) | |
| 267 | Physiological input panel (Option) | |
| 268 | Physiological input | <ul style="list-style-type: none"> • ECG, 1 channel • PCG, 1 channel • AUX, 1 channel • Dual R-Trigger • Pre-settable ECG R delay time • Pre-settable ECG position • Adjustable ECG gain control • Pre-settable PCG position • Adjustable PCG gain control • Pre-settable AUX position • Adjustable AUX gain control |
| 269 | Automatic heart rate display | |
| 270 | Auto Ejection Fraction | |
| 271 | Report writer (Option) | |
| 272 | On-board reporting package automates report writing | |
| 273 | Formats various exam results into a report suitable for printing or reviewing on a standard PC | |
| 274 | Exam results include patient info, exam info, measurements, calculations, images, and comments Standard templates provided | |
| 275 | Customizable templates | |
| 276 | Scanning Parameters | |
| 277 | cSound™ Imageformer: Infinite number of effective channels | |
| 278 | Frame rate: 9,675 Hz (fps) maximum | |
| 279 | Displayed imaging depth: 0 – 100 cm | |
| 280 | Minimum depth of field: 0 – 2 cm (zoom) (probe dependent) | |
| 281 | Maximum depth of field: 0 – 100 cm (probe dependent) | |
| 282 | Continuous dynamic receive focus | |
| 283 | Continuous dynamic receive aperture | |
| 284 | Adjustable dynamic range, infinite upper level | |
| 285 | Adjustable field of view (FOV) | |
| 286 | System Frequency Range: 0.7-24 MHz | |
| 287 | Image reverse: right/left | |
| 288 | Image rotation of 0°, 90°, 180°, 270° | |

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| 289 | 8 bits stored per color | |
| 290 | 256 shades of gray | |
| 291 | 256 color tones | |
| 292 | Digital B-Mode | |
| 293 | Adjustable | <ul style="list-style-type: none"> • Acoustic power • Gain • Dynamic range • Frame averaging • Gray scale map • Frequency • Speed of sound (application dependent) • Framerate • Scanning size (FOV or Angle) <ul style="list-style-type: none"> – Depending on the probe, see probe specifications • CrossXBeam • B colorization • Rejection • Suppression • SRI |
| 293 | Adaptive Contrast Enhancement (ACE) | Available in Abdomen, Cardiac, Thyroid and Obstetric cases |
| 294 | Digital M-Mode | |
| 295 | Adjustable | <ul style="list-style-type: none"> • Acoustic power • Gain • Dynamic range • Gray scale map • Frequency • Sweep speed • M colorization • M display format • Rejection |
| 296 | Anatomical M-Mode | |
| 297 | M-mode cursor adjustable at any plane | |
| 298 | Can be activated from a CINE loop from a live or stored image | |
| 299 | M & A capability | |
| 300 | Available with Color Flow Mode | |
| 301 | Digital Spectral Doppler Mode | |
| 302 | Adjustable | <ul style="list-style-type: none"> • Acoustic power • Gain • Dynamic range • Gray scale map • Transmit frequency • Wall filter • PW colorization • Velocity scale range • Sweep speed • Sample volume length • Angle correction • Steered linear • Spectrum inversion • Trace method • Baseline shift • Doppler auto trace • Time resolution • Compression • Trace direction • Trace sensitivity |
| 303 | Digital Color Flow Mode | |

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| 304 | Adjustable | <ul style="list-style-type: none"> • Acoustic power • Color maps, including velocity-variance maps • Gain • Velocity scale range • Wall filter • Packet size • Line density • Spatial filter • Steering angle • Baseline shift • Frame average • Threshold • Auto ROI placement and steering on linear • Accumulation mode • Flash suppression • Shortcuts |
| 305 | Digital Power Doppler Imaging | |
| 306 | Adjustable | <ul style="list-style-type: none"> • Acoustic power • Color maps, velocity-variance maps • Gain including • Velocity scale range • Wall filter • Packet size • Line density • Spatial filter • Steering angle • Frame average • Threshold • Accumulation mode • Flash suppression • Shortcuts |
| 307 | Continuous Wave Doppler (Option) | |
| 308 | Available on M5Sc-D, 6S-D, 6Tc-RS, P2D, P6D and P8D probes | |
| 309 | Steerable CW mode included | |
| 310 | Adjustable | <ul style="list-style-type: none"> • Acoustic power • Gain • Dynamic range • Gray scale map • Transmit frequency • Wall filter • CW colorization • Velocity scale range • Sweep speed • Angle correction • Spectrum inversion • Trace method • Baseline shift • Doppler auto trace • Compression • Trace direction • Trace sensitivity |
| 311 | Automatic Optimization | |
| 312 | Optimize B-Mode image to help improve contrast resolution with one button press | |
| 313 | Selectable amount of contrast resolution improvement (low, medium, high) | |
| 314 | CTO (Continuous Tissue Optimization) – continuously adjusts B-Mode axial and lateral gain uniformity and overall gain level suppressing the noise | |
| 315 | CATO (Continuous Auto Tissue Optimization) – continuously adjusts B-Mode axial and lateral gain uniformity and overall gain level suppressing the noise | |
| 316 | Auto CF and PW positioning – adjusts ROI position, sample volume position and steering with one button press | |
| 317 | Coded Harmonic Imaging | |
| 318 | Available on all 2D and 4D probes | |
| 319 | B-Flow (Option) | |

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| 320 | Available on the following probes: C1-6-D, C1-6VN-D, C2-7-D, C2-7VN-D, C2-9-D, C2-9VN-D, C3-10-D, L2-9-D, L2-9VN-D, L3-12-D, L6-24-D ML6-15-D, M5Sc-D, L8-18i-D |
| 321 | Background |
| 322 | Sensitivity/PRI |
| 323 | Acoustic power |
| 324 | Frequency |
| 325 | Line density |
| 326 | Frame average |
| 327 | Gray scale map |
| 328 | Tint map |
| 329 | Dynamic range |
| 330 | Rejection |
| 331 | Gain |
| 332 | Suppression |
| 333 | SRI |
| 334 | Accumulation |
| 335 | Visualization |
| 336 | Radiant flow™ |
| 337 | Easy, fast visualization of tiny vessels, displaying as a 3D effect |
| 338 | Available in Color Doppler, Power Doppler and MVI |
| 339 | B Steer+ (Option) |
| 340 | Available on the following probes: C1-6-D and all linear probes |
| 341 | Coded contrast imaging (Option) |
| 342 | Available on the following probes: C1-6-D, C1-6VN-D, C2-9-D, C2-9VN-D, C2-7-D, C2-7VN-D, C3-10-D, IC5-9-D, L2-9-D, L2-9VN-D, L3-9i-D, L3-12-D, M5Sc-D, ML6-15-D, RAB6-D, RIC5-9-D, BE9CS-D |
| 343 | 2 contrast timers |
| 344 | Timed updates: 0.05 – 10 seconds |
| 345 | Accumulation mode, seven levels |
| 346 | Maximum enhance mode |
| 347 | Flash |
| 348 | Time intensity curve (TIC) analysis |
| 349 | Parametric imaging |
| 350 | MVI Contrast |
| 351 | Ability to save still image during clip acquisition |
| 352 | The LOGIQ Fortis is designed for compatibility with most 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. |
| 353 | LOGIQView |
| 354 | Extended field of view Imaging |
| 355 | Up to 160 cm (63") scan length |
| 356 | Available on all 2D imaging probes |
| 357 | For use in B-Mode |
| 358 | CrossXBeam is available on linear probes |
| 359 | Auto detection of scan direction |
| 360 | Pre-or post-process zoom |
| 361 | Rotation |
| 362 | Auto best fit on monitor |
| 363 | Measurements in B-Mode |
| 364 | 3D |
| 365 | Allows unlimited rotation and planar translation |
| 366 | 3D reconstruction from CINE sweep |
| 367 | Easy 3D available on all probes |
| 368 | Advanced 3D |
| 369 | Acquisition of color data |
| 370 | Automatic rendering |
| 371 | 3D landscape technology |
| 372 | 3D movie |
| 373 | Real-time 4D (Option) |

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| 374 | Acquisition modes | <ul style="list-style-type: none"> • Real Time 4D • Spatio-Temporal Image Correlation (Option) • Static 3D |
| 375 | Visualization modes | <ul style="list-style-type: none"> • 3D rendering (diverse surface and intensity projection modes) • Sectional planes (3 section planes perpendicular to each other) • Omniview (Option) • Volume contrast imaging – Static (Option) • Volume contrast imaging – Omniview (Option) • Tomographic ultrasound imaging (Option) • Volume Analyses <ul style="list-style-type: none"> – VOCAL: semi-auto/manual segmentation tool (segmentation using touch screen) (Option) – 3D Static only – Threshold Volume: measure volume below and above a threshold |
| 376 | Render mode | <ul style="list-style-type: none"> • Surface texture, surface smooth, max-, min- and X-ray (average intensity projection), mix mode of two render modes • HDlive™ |
| 377 | SonoRender <i>live</i> | |
| 378 | Curved 3 point Render start | |
| 379 | 3D Movie | |
| 380 | Scalpel: 3D cut tool | |
| 381 | Display format: | <ul style="list-style-type: none"> • Quad: A-/B-/C-Plane/3D • Dual: A-Plane/3D • Single: 3D or A- or B- or C-Plane |
| 382 | Automated Volume Calculation – VOCAL II | |
| 383 | Betaview | |
| 384 | Volume navigation (Option) | |
| 385 | Available on the following probes: C1-6VN-D, C2-9VN-D, C2-7VN-D, C3-10-D, L2-9VN-D, ML6-15-D, IC5-9-D, L8-18i-D, M5Sc-D | |
| 386 | Sensor-based acquisition | |
| 387 | Position markers | |
| 388 | Needle tip tracking | |
| 389 | Virtual tracking | |
| 390 | Auto image registration | |
| 391 | Tru3D feature includes | |
| 392 | Render modes: gray surface, texture, min-, max-, average-intensity | |
| 393 | Measurements: distance, angle, area, volume | |
| 394 | 3D Movie | |
| 395 | Scan assistant (Option) | |
| 396 | Factory programs | |
| 397 | User-defined programs | |
| 398 | Steps include image annotations, mode transitions, basic imaging controls and measurement initiation | |
| 399 | Compare Assistant (Option) | |
| 400 | Allows side-by-side comparison of previous ultrasound and other modality exams during live scanning | |
| 401 | Breast productivity package | |
| 402 | Auto measurement | |
| 403 | Worksheet summary includes measurements and locations for lesions and lymph nodes | |
| 404 | Feature assessment | |
| 405 | BI-RADS™ assessment | |
| 406 | User editable | |
| 407 | Thyroid productivity package (Option) | |
| 408 | Auto measurement | |
| 409 | Worksheet summary includes measurements and locations for nodule, parathyroid and lymph nodes | |
| 410 | Feature assessment | |
| 411 | TI-RADS™ assessment | |
| 412 | User editable | |
| 413 | Start Assistant | |
| 414 | Automatically select category, probe, preset, or scan assistant from worklist exam description | |
| 415 | Learn the category, probe, preset, and scan assistant based on exam description | |
| 416 | Shear Wave Elastography (Option) | |

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| 417 | Available on the following probes: C1-6-D, C1-6VN-D, L2-9-D, L2-9VN-D, IC5-9-D, L8-18i-D, ML6-15-D, L3-12-D, L6-24-D | |
| 418 | User programmable measurement display in kPa and meters per second | |
| 419 | Single and dual view display | |
| 420 | Applications: Abdominal, Breast, Musculoskeletal, Small Parts, Prostate, Thyroid, Gynecological | |
| 421 | Strain elastography (Option) | |
| 422 | Available on the following probes: ML6-15-D, L2-9-D, L2-9VN-D, L3-12-D, IC5-9-D, C2-9-D, C2-9VN-D, C1-6-D, C1-6VN-D, L3-9i-D, L8-18i-D, BE9CS-D, L6-24-D | |
| 423 | Relative analysis tool | |
| 424 | Applications: Abdominal, Breast, Musculoskeletal, Small Parts, Prostate, Thyroid, Obstetric, Gynecological | |
| 425 | UGAP (Option) | |
| 426 | Available on the following probes: C1-6-D, C1-6VN-D, C2-9-D, C2-9VN-D | |
| 427 | Measures liver attenuation* (attenuation coefficient [dB/cm/MHz]) by auto measure algorithm with reference B-mode | |
| 428 | Simple and 2D color map (attenuation color map and Measurement Position Indicator Map) | |
| 429 | Quantitative flow analysis (Option) | |
| 430 | Available in color and power Doppler | |
| 431 | TVI (Option) | |
| 432 | Available on the following probes: M5Sc-D, 6Tc-RS, 6S-D probes | |
| 433 | Myocardial Doppler imaging with color overlay on tissue image | |
| 434 | Tissue color overlay can be removed to show just the 2D image, still retaining the tissue velocity information | |
| 435 | Curved anatomical M-Mode: free (curved) drawing of M-Mode generated from the cursor independent from the axial plane | |
| 436 | Q-Analysis: multiple time-motion trace display from selected points in the myocardium | |
| 437 | Stress echo (Option) | |
| 438 | Advanced and flexible stress echo examination capabilities | |
| 439 | Provides exercise and pharmacological protocol templates | |
| 440 | 6 default templates | |
| 441 | Template editor for user configuration of existing templates or creation of new templates | |
| 442 | Reference scan display during acquisition for stress level comparison (dual screen) | |
| 443 | Baseline level/previous level selectable | |
| 444 | Raw data continuous capture | |
| 445 | Over 100 sec. available | |
| 446 | Wall motion scoring (bulls-eye and segmental) | |
| 447 | Smart stress: Automatically set up various scanning parameters (e.g. geometry, frequency, gain) according to same projection on previous level | |
| 448 | Auto EF (Option) | |
| 449 | Allows semi-automatic measurement of the global EF (Ejection Fraction) | |
| 450 | User editable | |
| 451 | Cardiac AFI (Option) | |
| 452 | Allows assessment of the complete left ventricle with all segments at a glance by combining three longitudinal views into one comprehensive bulls-eye view | |
| 453 | 2D strain based data moves into clinical practice | |
| 454 | APP API | |
| 455 | The App Launchpad is a tab available on the Utilities+ screen – when selected, various applications (“Apps”) can be launched. This is hidden if no apps are installed. | |
| 456 | Only validated and released Apps are supported | |
| 457 | 3rd-party Apps can be purchased through an AppStore on a GE Healthcare (GEHC) website | |
| 458 | Consult with a GE Healthcare (GEHC) representative for more details | |
| 459 | Raw Data Streaming (optional) | |
| 460 | Provides streaming of raw data out to 3rd-party devices designed to process this data | |
| 461 | Virtual Convex | |
| 462 | Provides a convex field of view | |
| 463 | Compatible with CrossXBeam | |
| 464 | Available on all linear and sector probes | |
| 465 | SRI-HD and Advanced SRI | |
| 466 | Speckle reduction imaging | |
| 467 | Provides multiple levels of speckle reduction | |
| 468 | Compatible with side-by-side DualView display | |
| 469 | Advanced SRI: two types selectable | <ul style="list-style-type: none"> • Type 1 <ul style="list-style-type: none"> – Compatible with all linear, convex and sector probes • Type 2 (Option) <ul style="list-style-type: none"> – Compatible with OB/GYN application |
| 470 | CrossXBeam | |
| 471 | Provides variable angle spatial compounding | |
| 472 | Live side-by-side DualView display | |

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| 473 | Compatible with | <ul style="list-style-type: none"> • Color mode • PW • SRI • Coded harmonic imaging • Virtual convex |
| 474 | Available on all curved and linear probes | |
| 475 | Controls available while “live” | |
| 476 | Magnification Zoom: Magnifies the entire image on the screen without zoom ROI, 20x maximum zoom factor | |
| 477 | Pan Zoom: Magnifies the display of the data within the ROI | |
| 478 | HD Zoom: Magnifies the image within the zoom ROI, with higher spatial resolution than original images | |
| 479 | B/M/CrossXBeam-Mode | <ul style="list-style-type: none"> • Gain • TGC • Dynamic range • Acoustic output • Framerate control • Sweep speed for M-Mode • CrossXBeam angle |
| 480 | PW-Mode | <ul style="list-style-type: none"> • Gain • Dynamic range • Acoustic output • Transmission frequency • PRF • Wall filter • Spectral averaging • Sample volume gate: length, depth • Velocity scale |
| 481 | Color Flow-Mode | <ul style="list-style-type: none"> • 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 |
| 482 | Controls available on “freeze” or recall | |
| 483 | Automatic optimization | |
| 484 | SRI | |
| 485 | CrossXBeam – display non-compounded and compounded image simultaneously in split screen | |
| 486 | 3D reconstruction from a stored CINE loop | |
| 487 | B/M/CrossXBeam-Mode | <ul style="list-style-type: none"> • Gray map optimization • TGC • Colorized B and M • Frame average (loops only) • Dynamic range |
| 488 | Anatomical M-Mode | |
| 489 | Magnification zoom | |
| 490 | Pan zoom | |
| 491 | Maximum read zoom to 8x | |
| 492 | Baseline shift | |
| 493 | Sweep speed | |

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| 494 | PW mode | <ul style="list-style-type: none"> • 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 |
| 495 | Color flow | <ul style="list-style-type: none"> • Overall gain (loops and stills) • Color map • Transparency map • Frame averaging (loops only) • Flash suppression • CFM display threshold • Spectral invert for color/Doppler |
| 496 | Anatomical M-Mode on cine loop | |
| 497 | 4D | <ul style="list-style-type: none"> • Gray map, colorize • Post gain • Change display – single, dual, quad sectional or rendered |
| 498 | Measurements/Calculations | |
| 499 | General B-Mode | |
| 500 | Depth and distance | |
| 501 | Circumference (ellipse/trace) | |
| 502 | Area (ellipse/trace) | |
| 503 | Volume (ellipsoid) | |
| 504 | % Stenosis (area or diameter) | |
| 505 | Angle between two lines | |
| 506 | Dual B-mode capability | |
| 507 | General M-Mode | |
| 508 | M-Depth | |
| 509 | Distance | |
| 510 | Time | |
| 511 | Slope | |
| 512 | Heart rate | |
| 513 | General Doppler measurements/calculations | |
| 514 | Velocity | |
| 515 | Time | |
| 516 | A/B ratio (velocities/frequency ratio) | |
| 517 | PS (Peak Systole) | |
| 518 | ED (End Diastole) | |
| 519 | PS/ED (PS/ED Ratio) | |
| 520 | ED/PS (ED/PS Ratio) | |
| 521 | AT (Acceleration Time) | |
| 522 | ACCEL (Acceleration) | |
| 523 | TAMAX (Time Averaged Maximum Velocity) | |
| 524 | Volume flow (TAMEAN and vessel area) | |
| 525 | Heart rate | |
| 526 | PI (Pulsatility Index) | |
| 527 | RI (Resistivity Index) | |
| 528 | Real-time Doppler Auto Measurements/Calculations | |
| 529 | PS (Peak Systole) | |
| 530 | ED (End Diastole) | |
| 531 | MD (Minimum Diastole) | |
| 532 | PI (Pulsatility Index) | |
| 533 | RI (Resistivity Index) | |
| 534 | AT (Acceleration Time) | |

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| 535 | ACC (Acceleration) | |
| 536 | PS/ED (PS/ED Ratio) | |
| 537 | ED/PS (ED/PS Ratio) | |
| 538 | HR (Heart Rate) | |
| 539 | TAMAX (Time Averaged Maximum velocity) | |
| 540 | PVAL (Peak Velocity value) | |
| 541 | Volume flow (TAMEAN and vessel area) | |
| 542 | Abdominal measurements/calculations | |
| 543 | Shear Elasto velocity | |
| 544 | Shear Elasto stiffness | |
| 545 | Attenuation rate | |
| 546 | Attenuation coefficient | |
| 547 | Summary reports | |
| 548 | Small Parts measurements/calculations | |
| 549 | Breast Lesion | |
| 550 | Thyroid | |
| 551 | Parathyroid | |
| 552 | Lymph Node | |
| 553 | Nodule | |
| 554 | Isthmus AP | |
| 555 | Shear Elasto velocity | |
| 556 | Shear Elasto stiffness | |
| 557 | Summary reports | |
| 558 | OB measurements/calculations | |
| 559 | Gestational age by | <ul style="list-style-type: none"> • 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) • OOD (Outer Orbital Diameter) • IOD (Inner Orbital Diameter) • FIB (Fibula length) • Radius (Radius length) • LV (Lateral Ventricle width) (= SL) |
| 560 | Estimated Fetal Weight (EFW) by: | <ul style="list-style-type: none"> • AC, BPD • AC, BPD, FL • AC, BPD, FL, HC • AC, FL • AC, FL, HC • AC, HC • BPD, APTD, TTD, FL • BPD, APTD, TTD, SL |
| 561 | Fetal graphical trending | |
| 562 | Growth percentiles | |
| 563 | Multi-gestational calculations (4) | |
| 564 | Fetal qualitative description (anatomical survey) | |
| 565 | Fetal environmental description (biophysical profile) | |
| 566 | Programmable OB tables | |
| 567 | Over 20 selectable OB calculations | |

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| 568 | Expanded worksheets |
| 569 | Summary Reports |
| 570 | OB Calculations and ratios |
| 571 | FL/BPD |
| 572 | FL/AC |
| 573 | FL/HC |
| 574 | HC/AC |
| 575 | CI (Cephalic Index) |
| 576 | AFI (Amniotic Fluid Index) |
| 577 | CTAR (Cardio-Thoracic Area Ratio) |
| 578 | Measurements/calculations by: Alexander, ASUM, ASUM 2001, Bahlmann, Baschat, Berkowitz, Bertagnoli, Brenner, Campbell, CFEF, Chervenak, Chitty, Doubilet, Ebing, Eik-Nes Goldstein, Hadlock, Hansmann, Hellman, Hill, Hohler, Jeanty, JSUM, Kramer, Kurmanavicius, Kurtz, Mari, Mayden, Mercer, Merz, Moore, Nelson, Osaka University, Paris, Pexsters, Rempen, Robinson, Shepard, Shepard/Warsoff, Sonek, Tokyo University, Tokyo/Shinozuka, WHO, Williams, Yarkoni |
| 579 | OB measure assistant |
| 580 | Allows automatic measurement of BPD, HC, FL, AC and HL |
| 581 | User editable |
| 582 | SonoNT and SonoIT |
| 583 | SonoNT measures the contour detection of the NT border |
| 584 | SonoIT is a system supported measurement for Intracranial Translucency |
| 585 | GYN measurements/calculations |
| 586 | Right ovary length, width, height |
| 587 | Left ovary length, width, height |
| 588 | Uterus length, width, height |
| 589 | Cervix length, trace |
| 590 | Ovarian volume |
| 591 | ENDO (Endometrial thickness) |
| 592 | Ovarian RI |
| 593 | Uterine RI |
| 594 | Follicular measurements |
| 595 | Fibroid measurements |
| 596 | Qualitative description (anatomical survey) |
| 597 | Mean Uterine Artery (Gomez) Doppler Measurement |
| 598 | Summary reports |
| 599 | Vascular measurements/calculations |
| 600 | SYS DCCA (Systolic Distal Common Carotid Artery) |
| 601 | DIAS DCCA (Diastolic Distal Common Carotid Artery) |
| 602 | SYS MCCA (Systolic Mid Common Carotid Artery) |
| 603 | DIAS MCCA (Diastolic Mid Common Carotid Artery) |
| 604 | SYS PCCA (Systolic Proximal Common Carotid Artery) |
| 605 | DIAS PCCA (Diastolic Proximal Common Carotid Artery) |
| 606 | SYS DICA (Systolic Distal Internal Carotid Artery) |
| 607 | DIAS DICA (Diastolic Distal Internal Carotid Artery) |
| 608 | SYS MICA (Systolic Mid Internal Carotid Artery) |
| 609 | DIAS MICA (Diastolic Mid Internal Carotid Artery) |
| 610 | SYS PICA (Systolic Proximal Internal Carotid Artery) |
| 611 | DIAS PICA (Diastolic Proximal Internal Carotid Artery) |
| 612 | SYS DECA (Systolic Distal External Carotid Artery) |
| 613 | DIAS DECA (Diastolic Distal External Carotid Artery) |
| 614 | SYS PECA (Systolic Proximal External Carotid Artery) |
| 615 | DIAS PECA (Diastolic Proximal External Carotid Artery) |
| 616 | VERT (Systolic Vertebral Velocity) |
| 617 | SUBCLAV (Systolic Subclavian Velocity) |
| 618 | Auto IMT (Option) |
| 619 | Summary reports |
| 620 | Urological measurements/calculations |
| 621 | Bladder volume |
| 622 | Prostate volume |
| 623 | Left/right renal volume |
| 624 | Generic volume |
| 625 | Post-void bladder volume |
| 626 | Pelvic floor measurements |
| 627 | Summary reports |

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| 628 | TCD measurements/calculations | |
| 629 | MCA, ACA, PCA, ICA | |
| 630 | AComA, PCom A | |
| 631 | Vert | |
| 632 | Basilar | |
| 633 | MCA/ICA Ratio | |
| 634 | Summary reports | |
| 635 | Pediatric and Neonatal measurements/calculations | |
| 636 | Hip angle | |
| 637 | Hip orientation | |
| 638 | Summary reports | |
| 639 | Probes (All Optional) | |
| 640 | XDclear Technology includes Single Crystal, Acoustic Amplifier and Cool Stack Technologies | |
| 641 | 6S-D, sector probe | |
| 642 | Applications | Pediatric cardiac, pediatric abdomen |
| 643 | Bandwidth | 2.0 – 8.0 MHz |
| 644 | Number of elements | 96 |
| 645 | Field of view (max.) | 115° |
| 646 | Physical foot print | 15 x 9 mm |
| 647 | B-Mode frequency | 4.0, 4.2, 5.0, 5.5, 6.5 MHz |
| 648 | Harmonic frequency | 4.7, 4.9, 5.3, 5.7, 6.1, 6.3 MHz |
| 649 | PW Doppler frequency | 2.8, 3.1, 3.6, 4.2 MHz |
| 650 | Color Doppler frequency | 2.7, 3.1, 4.2, 5.0 MHz |
| 651 | 6Tc-RS, trans-esophageal probe | |
| 652 | Applications | Adult cardiac |
| 653 | Bandwidth | 2.0 – 8.0 MHz |
| 654 | Number of elements | 64 |
| 655 | Field of view (max.) | 90° |
| 656 | Physical foot print | 37 x 13 x 10 mm |
| 657 | B-Mode frequency | 5.0, 6.0, 6.5 MHz |
| 658 | Harmonic frequency | 6.0 MHz |
| 659 | PW Doppler frequency | 3.1, 3.6, 4.2, 5.0, 6.3 MHz |
| 660 | Color Doppler frequency | 3.3, 4.1, 4.7, 5.5 MHz |
| 661 | BE9CS-D, Bi-plane micro convex probe | |
| 662 | Applications | Urology |
| 663 | Biopsy guide | Single angle, disposable (E8013AW); Single angle, reusable (E8013AX) |
| 664 | Bandwidth | 3.0 - 12.0 MHz |
| 665 | Number of elements | 96 x 2 |
| 666 | Field of view (max.) | 133° |
| 667 | Physical foot print | 19 x 19 mm |
| 668 | B-Mode frequency | 6.0, 7.0, 8.0, 9.0 MHz |
| 669 | Harmonic frequency | 7.0, 8.0, 9.0, 10.0 MHz |
| 670 | PW Doppler frequency | 4.2, 5.0, 6.3 MHz |
| 671 | Color Doppler frequency | 4.3, 6.3, 8.2 MHz |
| 672 | C1-6-D, XDclear™ convex probe | |
| 673 | Applications | Abdomen, OB/GYN, pediatric, peripheral vascular, general musculoskeletal |
| 674 | Biopsy guide | Multi-angle, disposable with a reusable bracket (H4917VB) |
| 675 | Bandwidth | 1.0 – 6.0 MHz |
| 676 | Number of elements | 192 |
| 677 | Field of view (max.) | 80° |
| 678 | Physical foot print | 67 x 11 mm |
| 679 | B-Mode frequency | 2.0, 2.5, 3.0, 4.0 MHz |
| 680 | Harmonic frequency | 1.5, 2.5, 3.0, 4.5, 6.0, 6.5 MHz |
| 681 | PW Doppler frequency | 1.7, 2.1, 2.5, 3.6 MHz |
| 682 | Color Doppler frequency | 1.8, 2.1, 2.5, 2.8, 3.0 MHz |
| 683 | C1-6VN-D, VN_{av} inside XDclear convex probe | |
| 684 | VN _{av} sensor inside probe for Volume Navigation tracking without sensor cables | |
| 685 | Applications | Abdomen, OB/GYN, pediatric, peripheral vascular, general musculoskeletal |
| 686 | Biopsy guide | Multi-angle, disposable with a reusable bracket (H4917VB) |

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| 687 | Bandwidth | 1.0 – 6.0 MHz |
| 688 | Number of elements | 192 |
| 689 | Field of view (max.) | 80° |
| 690 | Physical foot print | 67 x 11 mm |
| 691 | B-Mode frequency | 2.0, 2.5, 3.0, 4.0 MHz |
| 692 | Harmonic frequency | 1.5, 2.5, 3.0, 4.5, 6.0, 6.5 MHz |
| 693 | PW Doppler frequency | 1.7, 2.1, 2.5, 3.6 MHz |
| 694 | Color Doppler frequency | 1.8, 2.1, 2.5, 2.8, 3.0 MHz |
| 695 | C2-7-D, micro convex biopsy probe | |
| 696 | Applications | Abdomen, pediatric |
| 697 | Biopsy guide | Multi-angle, disposable with a reusable bracket (H40482LK), Multi-Angle, reusable stainless bracket (H40482LL) |
| 698 | Bandwidth | 1.0 – 6.0 MHz |
| 699 | Number of elements | 144 |
| 700 | Field of view (max.) | 110° |
| 701 | Physical foot print | 31 x 10 mm |
| 702 | B-Mode frequency | 2.5, 4.0, 6.0 MHz |
| 703 | Harmonic frequency | 3.0, 4.0, 5.0, 6.0 MHz |
| 704 | PW Doppler frequency | 1.8, 2.1, 2.5, 3.1 MHz |
| 705 | Color Doppler frequency | 2.1, 2.4, 3.1, 3.7 MHz |
| 706 | C2-7VN-D, VNav inside micro convex biopsy probe | |
| 707 | VNav sensor inside probe for Volume Navigation tracking without sensor cables | |
| 708 | Applications | Abdomen, pediatric |
| 709 | Biopsy guide | Multi-angle, disposable with a reusable bracket (H40482LK), Multi-Angle, reusable stainless bracket (H40482LL) |
| 710 | Bandwidth | 1.0 – 6.0 MHz |
| 711 | Number of elements | 144 |
| 712 | Field of view (max.) | 110° |
| 713 | Physical foot print | 31 x 10 mm |
| 714 | B-Mode frequency | 2.5, 4.0, 6.0 MHz |
| 715 | Harmonic frequency | 3.0, 4.0, 5.0, 6.0 MHz |
| 716 | PW Doppler frequency | 1.8, 2.1, 2.5, 3.1 MHz |
| 717 | Color Doppler frequency | 2.1, 2.4, 3.1, 3.7 MHz |
| 718 | C2-9-D, XDclear convex probe | |
| 719 | Applications | Abdomen, OB/GYN, pediatric, peripheral vascular, neonatal, neonatal transcranial, general musculoskeletal |
| 720 | Biopsy guide | Multi-angle, disposable with a reusable bracket (H4913BA) |
| 721 | Bandwidth | 2.0 – 9.0 MHz |
| 722 | Number of elements | 192 |
| 723 | Field of view (max.) | 80° |
| 724 | Physical foot print | 52 x 9 mm |
| 725 | B-Mode frequency | 3.0, 4.5, 6.0, 7.0 MHz |
| 726 | Harmonic frequency | 2.5, 3.5, 5.0, 7.0, 9.0 MHz |
| 727 | PW Doppler frequency | 2.5, 3.1, 3.6, 4.2, 5.0, 6.3 MHz |
| 728 | Color Doppler frequency | 3.1, 4.2, 4.6, 5.4 MHz |
| 729 | C2-9VN-D, VNav inside XDclear convex probe | |
| 730 | VNav sensor inside probe for Volume Navigation tracking without sensor cables | |
| 731 | Applications | Abdomen, OB/GYN, pediatric, peripheral vascular, neonatal, neonatal transcranial, general musculoskeletal |
| 732 | Biopsy guide | Multi-angle, disposable with a reusable bracket (H4913BA) |
| 733 | Bandwidth | 2.0 – 9.0 MHz |
| 734 | Number of elements | 192 |
| 735 | Field of view (max.) | 80° |
| 736 | Physical foot print | 52 x 9 mm |
| 737 | B-Mode frequency | 3.0, 4.5, 6.0, 7.0 MHz |
| 738 | Harmonic frequency | 2.5, 3.5, 5.0, 7.0, 9.0 MHz |
| 739 | PW Doppler frequency | 2.5, 3.1, 3.6, 4.2, 5.0, 6.3 MHz |
| 740 | Color Doppler frequency | 3.1, 4.2, 4.6, 5.4 MHz |
| 741 | C3-10-D, XDclear micro convex probe | |
| 742 | Applications | Abdomen, neonatal, pediatric, peripheral vascular, neonatal transcranial, small part |
| 743 | Bandwidth | 2.0 – 11.0 MHz |
| 744 | Number of elements | 192 |

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| 745 | Field of view (max.) | 95° |
| 746 | Physical foot print | 26 x 5 mm |
| 747 | B-Mode frequency | 4.0, 6.0, 8.0 MHz |
| 748 | Harmonic frequency | 6.0, 8.0, 10.0 MHz |
| 749 | PW Doppler frequency | 3.1, 4.2, 6.3, 7.1 MHz |
| 750 | Color Doppler frequency | 3.9, 5.3, 6.6 MHz |
| 751 | IC5-9-D, micro convex probe | |
| 752 | Applications | OB/GYN, urology |
| 753 | Biopsy guide | Single angle, disposable with a disposable bracket (E8385MJ) or reusable bracket (H40412LN) |
| 754 | Bandwidth | 3.0 – 10.0 MHz |
| 755 | Number of elements | 192 |
| 756 | Field of view (max.) | 180° |
| 757 | Physical foot print | 26 x 6 mm |
| 758 | B-Mode frequency | 4.5, 5.0, 5.5, 6.0, 7.0, 8.0 MHz |
| 759 | Harmonic frequency | 6.0, 6.5, 7.0, 9.0 MHz |
| 760 | PW Doppler frequency | 3.6, 4.2, 5.0 MHz |
| 761 | Color Doppler frequency | 4.6, 5.9, 6.7 MHz |
| 762 | L2-9-D, XDclear linear probe | |
| 763 | Applications | Peripheral vascular, pediatric, abdomen, OB/GYN, general musculoskeletal, superficial musculoskeletal, neonatal, neonatal transcranial and small parts including breast, thyroid and scrotal |
| 764 | Biopsy guide | Multi-angle, disposable with a reusable bracket (H44901AM) |
| 765 | Bandwidth | 2.0 – 10.0 MHz |
| 766 | Number of elements | 192 |
| 767 | Field of view (max.) | 44 mm |
| 768 | Physical foot print | 53 x 14 mm |
| 769 | B-Mode frequency | 4.0, 4.5, 5.0, 6.0, 7.0 MHz |
| 770 | Harmonic frequency | 5.0, 6.0, 7.0, 8.0, 9.0, 9.4 MHz |
| 771 | PW Doppler frequency | 2.5, 2.8, 3.1, 3.6, 4.2, 5.0 MHz |
| 772 | Color Doppler frequency | 3.1, 4.0, 4.6, 5.3 MHz |
| 773 | L2-9VN-D, VNNav inside XDclear linear probe | |
| 774 | VNNav sensor inside probe for Volume Navigation tracking without sensor cables | |
| 775 | Applications | Peripheral vascular, pediatric, abdomen, OB/GYN, general musculoskeletal, superficial musculoskeletal, neonatal, neonatal transcranial and small parts including breast, thyroid and scrotal |
| 776 | Biopsy guide | Multi-angle, disposable with a reusable bracket (H44901AM) |
| 777 | Bandwidth | 2.0 – 10.0 MHz |
| 778 | Number of elements | 192 |
| 779 | Field of view (max.) | 44 mm |
| 780 | Physical foot print | 53 x 14 mm |
| 781 | B-Mode frequency | 4.0, 4.5, 5.0, 6.0, 7.0 MHz |
| 782 | Harmonic frequency | 5.0, 6.0, 7.0, 8.0, 9.0, 9.4 MHz |
| 783 | PW Doppler frequency | 2.5, 2.8, 3.1, 3.6, 4.2, 5.0 MHz |
| 784 | Color Doppler frequency | 3.1, 4.0, 4.6, 5.3 MHz |
| 785 | L3-9i-D, linear probe | |
| 786 | Applications | Abdomen, intraoperative |
| 787 | Bandwidth | 2.0 – 10.0 MHz |
| 788 | Number of elements | 192 |
| 789 | Field of view (max.) | 38 mm |
| 790 | Physical foot print | 38 x 5 mm |
| 791 | B-Mode frequency | 3.0, 5.0, 7.0 MHz |
| 792 | Harmonic frequency | 3.0, 6.0, 9.0 MHz |
| 793 | PW Doppler frequency | 3.1, 3.6, 5.0, 6.3, 7.1 MHz |
| 794 | Color Doppler frequency | 2.6, 2.9, 4.1, 5.4 MHz |
| 795 | L3-12-D, linear probe | |
| 796 | Applications | Abdomen, OB, general musculoskeletal, superficial musculoskeletal, neonatal, neonatal transcranial, small parts, vascular, pediatrics, breast |
| 797 | Biopsy guide | Multi-angle, disposable with a reusable bracket (H78652PA) |
| 798 | Bandwidth | 3.0 – 11.0 MHz |
| 799 | Number of elements | 256 |
| 800 | Field of view (max.) | 51 mm |

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| 801 | Physical foot print | 51 x 4 mm |
| 802 | B-Mode frequency | 6.0, 8.0, 10.0, 12.0 MHz |
| 803 | Harmonic frequency | 4.0, 6.0, 8.0, 10.0, 12.0 MHz |
| 804 | PW Doppler frequency | 4.2, 5.0, 6.3, 8.3 MHz |
| 805 | Color Doppler frequency | 4.3, 4.9, 5.4, 6.1, 7.2, 8.0 MHz |
| 806 | L4-20t-D, XDClear linear probe | |
| 807 | Applications | General musculoskeletal, superficial musculoskeletal, vascular |
| 808 | Biopsy guide | Multi-angle, disposable with a reusable bracket (H45201BLF) |
| 809 | Bandwidth | 4.0 - 15.0 MHz |
| 810 | Number of elements | 256 |
| 811 | Field of view (max.) | 39 mm |
| 812 | Physical foot print | 48 x 12 mm |
| 813 | B-Mode frequency | 10, 14, 18 MHz |
| 814 | Harmonic frequency | 10, 13, 14, 16, 18, 19, 20 MHz |
| 815 | PW Doppler frequency | 5.6, 7.1, 8.3, 10.0 MHz |
| 816 | Color Doppler frequency | 5.7, 6.3, 6.6, 6.8, 7.5, 8.0, 9.0, 9.5, 10.0 MHz |
| 817 | L6-24-D, linear probe | |
| 818 | Applications | General musculoskeletal, superficial musculoskeletal, neonatal, small parts, breast, peripheral vascular, abdomen |
| 819 | Bandwidth | 6.0 - 20.0 MHz |
| 820 | Number of elements | 192 |
| 821 | Field of view (max.) | 26 mm |
| 822 | Physical foot print | 32 x 8 mm |
| 823 | B-Mode frequency | 12.0, 16.0, 21.0 MHz |
| 824 | Harmonic frequency | 12.0, 18.0, 20.0, 24.0 MHz |
| 825 | PW Doppler frequency | 8.3, 10.0, 12.5 MHz |
| 826 | Color Doppler frequency | 9.2, 11.2, 12.2 MHz |
| 827 | L8-18i-D, linear probe | |
| 828 | Applications | Small parts, peripheral vascular, neonatal, neonatal transcranial, general musculoskeletal, superficial musculoskeletal, intraoperative |
| 829 | Bandwidth | 4.0 - 15.0 MHz |
| 830 | Number of elements | 168 |
| 831 | Field of view (max.) | 25 mm |
| 832 | Physical foot print | 35 x 10 mm |
| 833 | B-Mode frequency | 7.0, 9.0, 13.0, 16.0 MHz |
| 834 | Harmonic frequency | 14.0, 16.0, 18.0 MHz |
| 835 | PW Doppler frequency | 5.0, 6.3, 7.1, 8.3 MHz |
| 836 | Color Doppler frequency | 6.3, 6.7, 9.6, 10.5 MHz |
| 837 | M5Sc-D, XDClear sector probe | |
| 838 | Applications | Adult cardiac, pediatric cardiac, adult cephalic, abdominal |
| 839 | Biopsy guide | Multi-angle, disposable with a reusable bracket (H45561FC) |
| 840 | Bandwidth | 1.0 - 5.0 MHz |
| 841 | Number of elements | 288 |
| 842 | Field of view (max.) | 120° |
| 843 | Physical foot print | 28 x 17 mm |
| 844 | B-Mode frequency | 2.0, 2.5, 3.5, 4.5 MHz |
| 845 | Harmonic frequency | 2.4, 3.0, 3.2, 3.3, 3.7, 4.0, 4.5 MHz |
| 846 | PW Doppler frequency | 1.6, 1.7, 1.8, 1.9, 2.1, 2.5, 3.1, 3.6 MHz |
| 847 | Color Doppler frequency | 1.7, 1.8, 1.9, 2.2, 2.4, 2.5, 3.0, 3.1, 3.7, 3.8 MHz |
| 848 | ML6-15-D, matrix array linear probe | |
| 849 | Applications | Abdomen, peripheral vascular, neonatal, pediatric, neonatal transcranial, general musculoskeletal, superficial musculoskeletal and small parts including breast, thyroid and scrotal |
| 850 | Biopsy guide | Multi-angle, disposable with a reusable bracket (H40432LJ) |
| 851 | Bandwidth | 4.0 - 16.0 MHz |
| 852 | Number of elements | 1008 |
| 853 | Field of view (max.) | 50 mm |
| 854 | Physical foot print | 50 x 10 mm |

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| 855 | B-Mode frequency | 7.0, 9.0, 10.0, 11.0, 12.0, 15.0 MHz |
| 856 | Harmonic frequency | 10.0, 12.0, 14.0, 15.0 MHz |
| 857 | PW Doppler frequency | 5.0, 6.3, 8.3 MHz |
| 858 | Color Doppler frequency | 5.1, 6.1, 7.3, 8.2, 9.2, 10.3, 11.4, 12.4 MHz |
| 859 | P2D, CW split crystal probe | |
| 860 | Applications | Adult cardiac, pediatric cardiac, peripheral vascular, adult cephalic |
| 861 | Frequency | 2.1 MHz |
| 862 | P6D, CW split crystal probe | |
| 863 | Applications | Adult cardiac, pediatric cardiac, peripheral vascular, adult cephalic |
| 864 | Frequency | 6.3 MHz |
| 865 | P8D, CW split crystal probe | |
| 866 | Applications | Adult cardiac, pediatric cardiac, peripheral vascular, adult cephalic |
| 867 | Frequency | 8.3 MHz |
| 868 | RAB6-D, convex volume probe | |
| 869 | Applications | Abdomen, OB/GYN, pediatric, neonatal |
| 870 | Biopsy guide | Single angle, reusable bracket (H46701AE) |
| 871 | Bandwidth | 2.0 – 8.0 MHz |
| 872 | Number of elements | 192 |
| 873 | Field of view (max.) | 80° |
| 874 | Physical foot print | 62 x 34 mm |
| 875 | B-Mode frequency | 3.5, 5.0, 8.0 MHz |
| 876 | Harmonic frequency | 4.0, 5.0, 6.5, 8.0 MHz |
| 877 | PW Doppler frequency | 3.1, 4.2, 5.0 MHz |
| 878 | Color Doppler frequency | 2.8, 3.5, 3.8 MHz |
| 879 | RIC5-9-D, convex volume probe | |
| 880 | Applications | OB/GYN, urology |
| 881 | Biopsy guide | Single angle, reusable (H46721R) |
| 882 | Bandwidth | 3.0 – 10.0 MHz |
| 883 | Number of elements | 192 |
| 884 | Field of view (max.) | 180° |
| 885 | Physical foot print | 32 x 27 mm |
| 886 | B-Mode frequency | 5.0, 5.5, 6.0, 6.5, 7.0, 8.0 MHz |
| 887 | Harmonic frequency | 6.0, 6.5, 7.0, 9.0 MHz |
| 888 | PW Doppler frequency | 3.6, 4.2, 5.0 MHz |
| 889 | Color Doppler frequency | 4.3, 6.1, 7.3 MHz |
| 890 | Vscan Air CL, Convex probe | |
| 891 | Applications | Abdomen, OB, peripheral vascular, general musculoskeletal, superficial musculoskeletal, cardiac, pleural |
| 892 | Bandwidth | 2 - 5 MHz |
| 893 | Number of elements | 128 |
| 894 | Field of view (max.) | 67° |
| 895 | Physical foot print | 64 x 16 mm |
| 896 | B-Mode frequency | 3.3, 4.4 MHz |
| 897 | Harmonic frequency | 4.4 MHz |
| 898 | PW Doppler frequency | Not Supported |
| 899 | Color Doppler frequency | 2.7 MHz |
| 900 | Vscan Air CL, Linear probe | |
| 901 | Applications | Peripheral Vascular, Thyroid, Scrotal, Breast, general musculoskeletal, superficial musculoskeletal, pediatric cephalic, pleural |
| 902 | Bandwidth | 3 - 12 MHz |
| 903 | Number of elements | 192 |
| 904 | Field of view (max.) | 38 mm |
| 905 | Physical foot print | 38 x 12 mm |
| 906 | B-Mode frequency | 8 MHz |
| 907 | Harmonic frequency | 8.5 MHz |
| 908 | PW Doppler frequency | Not Supported |
| 909 | Color Doppler frequency | 6 MHz |
| 910 | External Inputs and outputs (not including on-board peripherals) | |
| 911 | HDMI | |
| 912 | Ethernet | |
| 913 | Multiple USB 3.0 ports | |

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| 914 | Safety Conformance | |
| 915 | The LOGIQ Fortis is: | |
| 916 | Classified to ANSI/AAMI ES60601-1 Medical Electrical Equipment, Part 1: General Requirements for Safety by a Nationally Recognized Test Lab | |
| 917 | Certified to CSA CAN/CSA-C22.2 NO. 60601-1 General requirements for safety | |
| 918 | CE Marked to EU Medical Device Regulation MDR 2017/745 | |
| 919 | Certified to CSA CAN/CSA-C22.2 NO. 60601-1 General requirements for safety: | |
| 920 | <ul style="list-style-type: none"> • IEC/EN 60601-1 Medical electrical equipment – Part 1: General requirements for basic safety and essential performance | |
| 921 | <ul style="list-style-type: none"> • IEC/EN 60601-1-2 Medical electrical equipment – Part 1-2: General requirements for safety – Collateral Standard: Electromagnetic compatibility – requirements and tests | |
| 922 | <ul style="list-style-type: none"> • IEC/EN 60601-1-6 Medical electrical equipment Part 1 -6: General requirements for basic safety and essential performance – Collateral Standard: Usability | |
| 923 | <ul style="list-style-type: none"> • 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 | |
| 924 | <ul style="list-style-type: none"> • IEC/EN 60601-2-37 Medical electrical equipment – Part 2-37: Particular requirements for the safety of ultrasonic medical diagnostic and monitoring equipment | |
| 925 | <ul style="list-style-type: none"> • IEC/EN 62366-1 Application of usability engineering to medical devices | |
| 926 | <ul style="list-style-type: none"> • IEC/EN 62304 Software Life Cycle Processes | |
| 927 | <ul style="list-style-type: none"> • IEC/EN 62359 Ultrasonic – Field characterization – Test methods for the determination of thermal and mechanical indices related to medical diagnostic ultrasonic fields | |
| 928 | <ul style="list-style-type: none"> • EN ISO 15223-1: Symbols to be used with medical device labels, labelling and information to be supplied | |
| 929 | <ul style="list-style-type: none"> • ISO 10993-1 Biological evaluation of medical devices – Part 1 Evaluation and testing | |
| 930 | <ul style="list-style-type: none"> • ISO 17664-2 : Processing of health care products – Information to be provided by the medical device manufacturer for the processing of medical devices | |
| 931 | <ul style="list-style-type: none"> • ISO14971 (Medical devices – Application of risk management to medical devices) | |
| 932 | <ul style="list-style-type: none"> • EMC Emissions Group 1, class A device requirements as per Sub clause 4.2 of CISPR 11 | |
| 933 | <ul style="list-style-type: none"> • WEEE (Waste Electrical and Electronic Equipment) | |
| 934 | <ul style="list-style-type: none"> • RoHS according to 2011/65 EU 2015/863 EU Including national deviations | |
| 935 | <ul style="list-style-type: none"> • Wireless equipment shall be certified to FCC, RED and Japan Radio Law | |
| 936 | <ul style="list-style-type: none"> • Medical Device Good Manufacturing Practice Manual issued by the FDA (Food and Drug Administration, Department of Health, USA) | |
| 937 | Supplement: cardiac measurements/calculations | |
| 938 | B-Mode measurements | |
| 939 | Aorta | <ul style="list-style-type: none"> • Aortic Root Diameter (Ao Root Diam) • Aortic Arch Diameter (Ao Arch Diam) • Ascending Aortic diameter (Ao Asc) • Descending Aortic Diameter (Ao Desc Diam) • Aorta Isthmus (Ao Isthmus) • Aorta (Ao st junct) |
| 940 | Aortic valve | <ul style="list-style-type: none"> • Aortic Valve Cusp Separation (AV Cusp) • Aortic Valve Area Planimetry (AVA Planimetry) • (Trans AVA) |
| 941 | Left atrium | <ul style="list-style-type: none"> • Left Atrium Diameter (LA Diam) • LA Length (LA Major) • LA Width (LA Minor) • Left Atrium Diameter to AoRoot Diameter Ratio (LA/Ao ratio) • Left Atrium Area (LAA(d), LAA(s)) • Left Atrium Volume, Single Plane, Method of Disk (LAEDV A2C, LAESV A2C) (LAEDV A4C, LAESV A4C), (LAEDV A-L, LAEDV Index A-L, LAESV A-L, LAESV Index A-L) |

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| 942 | Left ventricle | <ul style="list-style-type: none"> • Left Ventricle Mass (LVPWd, LVPWs) • Left Ventricle Volume, Teichholz/Cubic (LVIDd, LVI Ds) • Left Ventricle Internal Diameter (LVIDd, LVI Ds) Left Ventricle Length (LVld, LVLs) • Left Ventricle Outflow Tract Diameter (LVOT Diam) • Left Ventricle Posterior Wall Thickness (LVPWd, LVPWs) • Left Ventricle Length (LV Major) • Left Ventricle Width (LV Minor) • Left Ventricle Outflow Tract Area (LVOT) • Left Ventricle Area, Two Chamber/Four Chamber/Short Axis (LVA (d), LVA (s)) • Left Ventricle Endocardial Area, Width (LVA (d), LVA(s)) • Left Ventricle Epicardial Area, Length (LVAepi (d), LVAepi (s)) • Left Ventricle Mass Index (LVPWd, LVPWs) • Ejection Fraction, Teichholz/Cube (LVIDd, LVIDs) |
| 943 | Left ventricle continued | <ul style="list-style-type: none"> • Left Ventricle Posterior Wall Fractional Shortening (LVPWd, LVPWs) • Left Ventricle Stroke Index, Teichholz/Cube (LVIDd, LVIDs and Body Surface Area) • Left Ventricle Fractional Shortening (LVIDd, LVIDs) • Left Ventricle Stroke Volume, Teichholz/Cubic (LVIDd, LVIDs) • Left Ventricle Stroke Index, Single Plane, Two Chamber, Method of Disk (LVI Dd, LVIDs, LVSD, LVSS) • Left Ventricle Stroke Index, Single Plane, Four Chamber, Method of Disk (LVI Dd, LVIDs, LVSD, LVSS) • Left Ventricle Stroke Index, Bi-Plane, Bullet, Method of Disk (LVAd, LVAs) • Interventricular Septum (IVS) • Left Ventricle Internal Diameter (LVI D) • Left Ventricle Posterior Wall Thickness (LVPW) |
| 944 | Mitral valve | <ul style="list-style-type: none"> • Mitral Valve Annulus Diameter (MV Ann Diam) • E-Point-to-Septum Separation (EPSS) • Mitral Valve Area Planimetry (MVA Planimetry) |
| 945 | Pulmonic valve | <ul style="list-style-type: none"> • Pulmonic Valve Area (PV Planimetry) • Pulmonic Valve Annulus Diameter (PV Annulus Diam) • Pulmonic Diameter (Pulmonic Diam) |
| 946 | Right atrium | <ul style="list-style-type: none"> • Right Atrium Diameter, Length (RAD Ma) • Right Atrium Diameter, Width (RAD Mi) • Right Atrium Area (RAA) • Right Atrium Volume, Single Plane, Method of Disk (RAAd) • Right Atrium Volume, Systolic, Single Plane, Method of Disk (RAAs) |
| 947 | Right ventricle | <ul style="list-style-type: none"> • Right Ventricle Outflow Tract Area (RVOT Planimetry) • Left Pulmonary Artery Area (LPA Area) • Right Pulmonary Artery Area (RPA Area) • Right Ventricle Internal Diameter (RVIDd, RVIDs) • Right Ventricle Diameter, Length (RVD Ma) • Right Ventricle Diameter, Width (RVD Mi) • Right Ventricle Wall Thickness (RVAWd, RVAWs) • Right Ventricle Outflow Tract Diameter (RVOT Diam) • Left Pulmonary Artery (LPA) • Main Pulmonary Artery (MPA) • Right Pulmonary Artery (RPA) |
| 948 | System inferior vena cava | <ul style="list-style-type: none"> • Systemic Vein Diameter (Systemic Diam) • Patent Ductus Arteriosis Diameter (PDA Diam) • Pericard Effusion (PEs) • Patent Foramen Ovale Diameter (PFO Diam) • Ventricular Septal Defect Diameter (VSD Diam) • Interventricular Septum (IVS) Fractional Shortening (IVSd, IVSS) |
| 949 | Tricuspid valve | <ul style="list-style-type: none"> • Tricuspid Valve Area (TV Panimetry) • Tricuspid Valve Annulus Diameter (TV Annulus Diam) |
| 950 | M-Mode measurements | |

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| 951 | Aorta | <ul style="list-style-type: none"> • Aortic Root Diameter (Ao Root Diam) • Aortic Valve • Aortic Valve Diameter (AV Diam) • Aortic Valve Cusp separation (AV Cusp) • Aortic Valve Ejection Time (LVET) |
| 952 | Left atrium | <ul style="list-style-type: none"> • Left Atrium Diameter to AoRoot Diameter Ratio (LA/Ao Ratio) • Left Atrium Diameter (LA Diam) |
| 953 | Left ventricle | <ul style="list-style-type: none"> • Left Ventricle Volume, Teichholz/Cubic (LVIDd, LVI Ds) • Left Ventricle Internal Diameter (LVIDd, LVI Ds) • Left Ventricle Posterior Wall Thickness (LVPWd, LVPWs) • Left Ventricle Ejection Time (LVET) • Left Ventricle Pre-Ejection Period (LVPEP) • Interventricular Septum (IVS) • Left Ventricle Internal Diameter (LVI D) • Left Ventricle Posterior Wall Thickness (LVPW) |
| 954 | Mitral valve | <ul style="list-style-type: none"> • E-Point-to-Septum Separation (EPSS) • Mitral Valve Leaflet Separation (D-E Excursion) • Mitral Valve Anterior Leaflet Excursion (D-E Excursion) • Mitral valve D-E Slope (D-E Slope) • Mitral Valve E-F Slope (E-F Slope) • Mitral Annular Plane Systolic Excursion (MAPSE) |
| 955 | Pulmonic valve | <ul style="list-style-type: none"> • QRS Complex to End of Envelope (Q-PV close) |
| 956 | Right ventricle | <ul style="list-style-type: none"> • Right Ventricle Internal Diameter (RVIDd, RVIDs) • Right Ventricle Wall Thickness (RVAWd, RVAWs) • Right Ventricle Outflow Tract Diameter (RVOT Diam) • Right Ventricle Ejection Time (RVET) • Right Ventricle Pre-Ejection Period (RVPEP) |
| 957 | System | <ul style="list-style-type: none"> • Pericard Effusion (PE (d)) |
| 958 | Tricuspid valve | <ul style="list-style-type: none"> • QRS Complex to End of Envelope (Q-TV close) • Tricuspid Annular Plane Systolic Excursion (TAPSE) |
| 959 | Doppler Mode measurements | |
| 960 | Aortic valve | <ul style="list-style-type: none"> • Aortic Insufficiency Mean Pressure Gradient (AR Trace) • Aortic Insufficiency Peak Pressure Gradient (AR Vmax) • Aortic Insufficiency End Diastole Pressure Gradient (AR Trace) • Aortic Insufficiency Mean Velocity (AR Trace) • Aortic Insufficiency Velocity Time Integral (AR Trace) • Aortic Valve Mean Velocity (AV Trace) • Aortic Valve Velocity Time Integral (AV Trace) • Aortic Valve Mean Pressure Gradient (AV Trace) • Aortic Valve Peak Pressure Gradient (AR Vmax) • Aortic Insufficiency Peak Velocity (AR Vmax) • Aortic Insufficiency End-Diastolic Velocity (AR Trace) • Aortic Valve Peak Velocity (AV Vmax) • Aortic Valve Peak Velocity at Point E (AV Vmax) |
| 961 | Aortic valve continued | <ul style="list-style-type: none"> • Aorta Proximal Coarctation (Coarc Pre-Duct) • Aorta Distal Coarctation (Coarc Post-Duct) • Aortic Valve Insufficiency Pressure Half Time (AR PHT) • Aortic Valve Flow Acceleration (AV Trace) • Aortic Valve Pressure Half Time (AV Trace) • Aortic Valve Acceleration Time (AV Acc Time) • Aortic Valve Deceleration Time (AV Dec Time) • Aortic Valve Ejection Time (AVET) • Aortic Valve Acceleration to Ejection Time Ratio (AV Acc Time, AVET) • Aortic Valve Area(VTI): AVA (Vmax) |
| 962 | Left ventricle | <ul style="list-style-type: none"> • Left Ventricle Outflow Tract Peak Pressure Gradient (LVOT Vmax) • Left Ventricle Outflow Tract Peak Velocity (LVOT Vmax) • Left Ventricle Outflow Tract Mean Pressure Gradient (LVOT Trace) • Left Ventricle Outflow Tract Mean Velocity (LVOT Trace) • Left Ventricle Outflow Tract Velocity Time Integral (LVOT Trace) • Left Ventricle Ejection Time (LVET) |

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| 963 | Mitral valve | <ul style="list-style-type: none"> • E' Early diastolic mitral valve annular velocity (E') • E' Avg Averaged early diastolic mitral valve annular velocity (E' Avg) • E' Lat Early diastolic mitral valve lateral annular velocity (E' Lat) • E' Medial Early diastolic mitral valve medial annular velocity (E' Medial) • E' Sept Early diastolic mitral • Mitral inflow E velocity to E' ratio (E/E') • Mitral inflow E velocity to E' Avg ratio (E/E' Avg) • Mitral inflow E velocity to E' Lat ratio (E/E' Lat) • Medial Mitral inflow E velocity to E' Medial ratio (E/E') • Mitral inflow E velocity to E' Sept ratio (E/E' Sept) • Mitral Valve Regurgitant Flow Acceleration (MR Trace) • Mitral Valve Regurgitant Mean Velocity (MR Trace) |
| 964 | Mitral valve continued | <ul style="list-style-type: none"> • Mitral Regurgitant Mean Pressure Gradient (MR Trace) • Mitral Regurgitant Velocity Time Integral (MR Trace) • Mitral Valve Mean Velocity (MV Trace) • Mitral Valve Velocity Time Integral (MV Trace) • Mitral Valve Mean Pressure Gradient (MV Trace) • Mitral Regurgitant Peak Pressure Gradient (MR Vmax) • Mitral Valve Peak Pressure Gradient (MV Vmax) • Mitral Regurgitant Peak Velocity (MR Vmax) • Mitral Valve Peak Velocity (MV Vmax) • Mitral Valve Velocity Peak A (MV A Velocity) • Mitral Valve Velocity Peak E (MV E Velocity) |
| 965 | Mitral valve continued | <ul style="list-style-type: none"> • Mitral Valve Area According to PHT (MV PHT) • Mitral Valve Flow Deceleration (MV DecT) • Mitral Valve Pressure Half Time (MV PHT) • Mitral Valve Flow Acceleration (MV AccT) • Mitral Valve E-Peak to A-Peak Ratio (A-C and D-E) (MV E/ARatio) • Mitral Valve Acceleration Time (MV Acc Time) • Mitral Valve Deceleration Time (MV Dec Time) • Mitral Valve Ejection Time ((MVET) • Mitral Valve A-Wave Duration (MV A Dur) • Mitral Valve Time to Peak (MV TTP) • Mitral Valve Acceleration Time/Deceleration Time Ratio (MVAcc/Dec Time) • Stroke Volume Index by Mitral Flow (MVA Planimetry, MVTrace) |
| 966 | Pulmonic Valve | <ul style="list-style-type: none"> • Pulmonic Insufficiency Peak Pressure Gradient (PR Vmax) • Pulmonic Insufficiency End-Diastolic Pressure Gradient (PRTrace) • Pulmonic Valve Peak Pressure Gradient (PV Vmax) • Pulmonic Insufficiency Peak Velocity (PR Vmax) • Pulmonic Insufficiency End-Diastolic Velocity (Prend Vmax) • Pulmonic Valve Peak Velocity (PV Vmax) • Pulmonary Artery Diastolic Pressure (PV Trace) • Pulmonic Insufficiency Mean Pressure Gradient (PR Trace) |
| 967 | Pulmonic valve continued | <ul style="list-style-type: none"> • Pulmonic Valve Mean Pressure Gradient (PV Trace) • Pulmonic Insufficiency Mean Square Root Velocity (PR Trace) • Pulmonic Insufficiency Velocity Time Integral (PR Trace) • Pulmonic Valve Mean Velocity (PV Trace) • Pulmonic Valve Velocity Time Integral (PV Trace) • Pulmonic Insufficiency Pressure Half Time (PR PHT) • Pulmonic Valve Flow Acceleration (PV Acc Time) • Pulmonic Valve Acceleration Time (PV Acc Time) • Pulmonic Valve Ejection Time (PVET) • QRS Complex to End of Envelope (Q-to-PV Close) • Pulmonic Valve Acceleration to Ejection Time Ratio (PV Acc Time, PVET) |

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| 968 | Right ventricle | <ul style="list-style-type: none"> • Right Ventricle Outflow Tract Peak Pressure Gradient (RVOT Vmax) • Right Ventricle Outflow Tract Peak Velocity (RVOT Vmax) • Right Ventricle Outflow Tract Velocity Time Integral (RVOTTrace) • Right Ventricle Ejection Time (RV Trace) • Stroke Volume by Pulmonic Flow (RVOT Planimetry, RVOTTrace) • Right Ventricle Stroke Volume Index by Pulmonic Flow (RVOT Planimetry, RVOT Trace) |
| 969 | System | <ul style="list-style-type: none"> • Pulmonary Artery Peak Velocity (PV Vmax) • Pulmonary Vein Velocity Peak A (Reverse) (P Vein A) • Pulmonary Vein Peak Velocity (P Vein D, P Vein S) • Systemic Vein Peak Velocity (PDA Diastolic, PDA Systolic) • Ventricular Septal Defect Peak Velocity (VSD Vmax) • Atrial Septal Defect (ASD Diastolic, ASD Systolic) • Pulmonary Vein A-Wave Duration (P Vein A Dur) • IsoVolumetric Relaxation Time (IVRT) • IsoVolumetric Contraction Time (IVCT) • Pulmonary Vein S/D Ratio (P Vein D, P Vein S) • Ventricular Septal Defect Peak Pressure Gradient (VSD Vmax) • Pulmonic-to-Systemic Flow Ratio (Op/Os) |
| 970 | Tricuspid valve | <ul style="list-style-type: none"> • Tricuspid Regurgitant Peak Pressure Gradient (TR Vmax) • Tricuspid Valve Peak Pressure Gradient (TV Vmax) • Tricuspid Regurgitant Peak Velocity (TR Vmax) • Tricuspid Valve Peak Velocity (TV Vmax) • Tricuspid Valve Velocity Peak A (TV A Velocity) • Tricuspid Valve Velocity Peak E (TV E Velocity) • Tricuspid Regurgitant Mean Pressure Gradient (TR Trace) • Tricuspid Valve Mean Pressure Gradient (TV Trace) |
| 971 | Tricuspid valve continued | <ul style="list-style-type: none"> • Tricuspid Regurgitant Mean Velocity (TR Trace) • Tricuspid Regurgitant Velocity Time Integral (TR Trace) • Tricuspid Valve Mean Velocity (TV Trace) • Tricuspid Valve Velocity Time Integral (TV Trace) • Tricuspid Valve Time to Peak (TV TTP) • Tricuspid Valve Ejection Time (TV Acc/Dec Time) • Tricuspid Valve A-Wave Duration (TV A Dur) • QRS Complex to End of Envelope (Q-TV Close) • Tricuspid Valve Pressure Half Time (TV PHT) • Stroke Volume by Tricuspid Flow (TV Planimetry, TV Trace) • Tricuspid Valve E-Peak to A-Peak Ratio (TV E/A Velocity) |
| 972 | Color Flow Mode measurements | |
| 973 | Aortic valve | <ul style="list-style-type: none"> • Proximal Isovelocity Surface Area: Regurgitant Orifice Area (AR Radius) • Proximal Isovelocity Surface Area: Radius of Aliased Point (AR Radius) • Proximal Isovelocity Surface Area: Regurgitant Flow (AR Trace) • Proximal Isovelocity Surface Area: Regurgitant Volume Flow (AR Trace) • Proximal Isovelocity Surface Area: Aliased Velocity (AR Vmax) |
| 974 | Mitral valve | <ul style="list-style-type: none"> • Proximal Isovelocity Surface Area: Regurgitant Orifice Area (MR Radius) • Proximal Isovelocity Surface Area: Radius of Aliased Point (MR Radius) • Proximal Isovelocity Surface Area: Regurgitant Flow (MR Trace) • Proximal Isovelocity Surface Area: Regurgitant Volume Flow (MR Trace) • Proximal Isovelocity Surface Area: Aliased Velocity (MR Vmax) |
| 975 | Combination Mode measurements | |

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| 976 | Aortic valve | <ul style="list-style-type: none"> • Aortic Valve Area (Ao Root Diam, LVOT Vmax, AV Vmax) • Aortic Valve Area by Continuity Equation by Peak Velocity (Ao Root Diam, LVOT Vmax, AV Vmax) • Stroke Volume by Aortic Flow (AVA Planimetry, AV Trace) • Cardiac Output by Aortic Flow (AVA Planimetry, AV Trace, HR) • Aortic Valve Area by Continuity Equation VTI (Ao Root Diam, LVOT Vmax, AV Trace) |
| 977 | Left ventricle | <ul style="list-style-type: none"> • Cardiac Output, Teichholz/Cubic (LVIDd, LVI Ds, HR) • Cardiac Output Two Chamber, Single Plane, Area-Length/Method of Disk (Simpson) (LVAd, LVAs, HR) • Cardiac Output Four Chamber, Single Plane, Area-Length/Method of Disk (Simpson) (LVAd, LVAs, HR) • Ejection Fraction Two Chamber, Single Plane, Area-Length/Method of Disk (Simpson) (LVAd, LVAs) • Ejection Fraction Four Chamber, Single Plane, Area-Length/Method of Disk (Simpson) (LVAd, LVAs) • Left Ventricle Stroke Volume, Single Plane, Two Chamber/Four Chamber, Area-Length (LVAd, LVAs) |
| 978 | Left ventricle continued | <ul style="list-style-type: none"> • Left Ventricle Stroke Volume, Single Plane, Two Chamber/Four Chamber, Method of Disk (Simpson) (LVIDd, LVIDs, LVAd, LVAs) • Left Ventricle Volume, Two Chamber/Four Chamber, Area-Length (LVAd, LVAs) • Ejection Fraction, Bi-Plane, Method of Disk (LVAd, LVAs, 2CH, 4CH) • Left Ventricle Stroke Volume, Bi-Plane, Method of Disk (LVAd, LVAs, 2CH, 4CH) • Left Ventricle Volume, Bi-Plane, Method of Disk (LVAd, LVAs, 2CH, 4CH) • Left Ventricle Stroke Index, Single Plane, Two Chamber/Four Chamber, Area-Length (LVSD, LVSS and BSA) • Left Ventricle Volume, Single Plane, Two Chamber/Four Chamber, Method of Disk (LVAd, LVAs) • Left Ventricle Volume, Apical View, Long Axis, Method of Disk (LVAd, LVAs) |
| 979 | Mitral valve | <ul style="list-style-type: none"> • Stroke Volume by Mitral Flow (MVA Planimetry, MV Trace) • Cardiac Output by Mitral Flow (MVA Planimetry, MV Trace, HR) |
| 980 | Pulmonic valve | <ul style="list-style-type: none"> • Stroke Volume by Pulmonic Flow (PV Planimetry, PV Trace) • Cardiac Output by Pulmonic Flow (PV Planimetry, PV Trace, HR) |
| 981 | Tricuspid valve | <ul style="list-style-type: none"> • Cardiac Output by Tricuspid Flow (TV Planimetry, TV Trace, HR) |
| 982 | Combination Mode measurements | |
| 983 | Parameter: lists the mode, the measurement folder and the specific measurement | |
| 984 | Measured Value: Up to six measurement values for each item. Average, maximum, minimum or last | |
| 985 | Generic study in cardiology | |
| 986 | Stroke Volume (SV) | |
| 987 | Cardiac Output (CO) | |

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