GE HealthCare

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LOGIQ Fortis R5.x HDU

Product Data Sheet

Product Specification Sheet

Last updated on: 2026년 4월 16일 목요일

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"
4	Width	530 mm, 20.9" (Caster), 565 mm, 22.2" (Monitor)
5	Depth	885 mm (34.8")
6	Weight	85 kg (187.4 lbs)
7	**Electrical Power**	
8	Voltage: 100 – 240 Vac	
9	Frequency: 50/60 Hz	
10	Power consumption maximum of 0.9 kVA with peripherals	Off mode 8 W
11		Ready to scan 244 W
12	**Console Design**	
13	4 active physical probe ports	
14	1 inactive probe storage port	
15	Wireless probe connection, capable of connecting Vscan Air CL wireless, convex and linear probes	
16	Integrated SSD (1 TB)	
17	Integrated DVD-R Multi Drive	
18	On-board storage of thermal printer	
19	Integrated speaker	
20	Integrated locking mechanism that provides rolling lock and caster swivel lock	
21	Integrated cable management	
22	Front and rear handles	
23	Easily removable air filters	
24	Windows 10 IoT Enterprise 2021 LTSC	
25	**User Interface**	
26	**Operator Keyboard**	
27	Operating keyboard adjustable in height and rotation	
28	Ergonomic hard key layout	
29	Interactive back-lighting	
30	Integrated recording keys for remote control of up to 4 peripheral devices or DICOM® devices	
31	Integrated gel warmer	
32	**Touch Screen**	
33	12.1" High-resolution (1280 x 800), color, touch, display screen	
34	Interactive dynamic software menu	
35	Brightness adjustment	
36	User-configurable layout	
37	**Monitor**	
38	23.8" Wide screen high-resolution HDU display	
39	Display translation (independent of console)	
40	350 mm, (13.7 in) horizontal (both directions)	
41	150 mm, (5.9 in) vertical	
42	90° swivel (both directions)	
43	Fold-down and lock mechanism for transportation	
44	Resolution: 1920 X 1080	
45	Anti-glare	
46	Viewing angle 89/89/89/89°	
47	Contrast Ratio: >200,000:1	
48	**System Overview**	

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

115	Urological calculations	
116	Renal calculations	
117	Cardiac calculations	
118	InSite™ capability	
119	On-board electronic documentation	
120	Auto Doppler Assist	
121	Privacy and security, including user and rights management	
122	DICOM	
123	B-Flow	
124	LOGIQView	
125	Start Assistant	
126	Elasto QA (Elastography Quantification)	
127	Advanced probes	
128	External USB printer connection	
129	Network printer support	
130	HDMI output (available for compatible devices)	
131	App Launchpad	
132	**System Options**	
133	Auto IMT	
134	Scan Assistant	
135	Compare Assistant	
136	Breast productivity package	
137	Thyroid productivity package	
138	OB measure assistant	
139	Breast Measure Assistant	
140	B Steer+	
141	Strain elastography	
142	Color Quantification (Quantificative Flow Analysis)	
143	Advanced privacy and security (vulnerability scan)	
144	Scan on Battery	
145	Power Assistant	
146	UPS (120V/230V)	
147	Powervar144k120v MG UPS	US and LATAM Only
148	Powervar144k 230V MG UPS	EU only
149	Storage bins	
150	Shear wave Elastography	
151	Volume Navigation	
152	UGAP (Ultrasound Guided Attenuation Parameter)/UGFF (Ultrasound Guided Fat Fraction)	
153	Hepatic Assistant	
154	Coded Contrast Imaging	
155	Stress echo	
156	Cardiac AFI (Automatic Function Imaging)	
157	On-board reporting	
158	TVI	
159	Wireless LAN	
160	Auto EF	
161	Auto EF w/o ECG	
162	ECG and ECG cables (AHA style, IEC style)	
163	CW Doppler	
164	DVR	
165	Tablet tools	
166	Digital Expert	
167	Probe Check	
168	Breast Assistant, Powered by Koios DS™ /Koios Lite DS™	
169	Thyroid Assistant, Powered by Koios DS™ /Koios Lite DS™	
170	OB measure assistant	
171	SonoNT SonoIT	
172	Advanced SRI Type 2	
173	Hepatic Assistant	
174	Auto Preset Assistant	
175	Auto Abdominal Color Assistant 2	
176	Auto Renal Measure Assistant	
177	Auto Aorta measure assist	
178	Auto Common Bile Duct measure assist	
179	ViewPoint™ on LOGIQ	
180	Contrast LI-RADs	

181	Raw Data Streaming	
182	SonoAVC™	
183	Real Time 4D	
184	eDelivery	
185	Ethernet Protection Cable	
186	Ultrasound Probe Rack (for USA)	
187	LE9 Probe Holder Insert 2 (Small Probe Holder)	
188	TEE Storage Rack (H45551NM)	
189	VNav Needle Tracking storage insert (H4913NS)	
190	**Peripheral Options**	
191	Integrated Option for Digital Color thermal Printer(SONY UPD25MD Color Printer)	
192	Integrated Option for DVD Drive	
193	Digital A6 color thermal printer	
194	Foot switch, with programmable functionality	
195	RFID Reader Kit	
196	Barcode Reader USBee1000A	
197	Magnetic Card Reader(CRF-200U card reader for Japan)	
198	USB barcode reader Honeywell for LE for Japan	
199	Console protective cover	
200	Vscan Air Charger (H45621BR)	
201	LOGIQ smart device apps (LOGIQ Apps)	• Photo Assistant • Remote Control
202	**Display Modes**	
203	Live and stored display format	• Full size and split screen – both w/ thumbnails. For still and CINE
204	Review image format	• 4x4, and thumbnails. For still and CINE
205	Time line display	• Independent Dual B or CrossXBeam/PW Display • CW • Display formats top/bottom selectable format • Side/side selectable format
206	Virtual convex	
207	**Simultaneous capability**	
208	B or CrossXBeam/PW	
209	B or CrossXBeam/CW (Option)	
210	B or CrossXBeam/CFM or PDI	
211	B/M	
212	B/CrossXBeam	
213	B-Flow/PW	
214	Real-time Triplex Mode - B or CrossXBeam + CFM or PDI/PW	
215	**Selectable alternating modes**	
216	B or CrossXBeam/PW	
217	B or CrossXBeam + CFM (PDI)/PW	
218	B/CW (Option)	
219	**Multi-image (split/quad screen)**	
220	Live and/or frozen	
221	B or CrossXBeam + B or CrossXBeam/CFM or PDI or B-Flow (Option)	
222	PW/M	
223	Independent Cine playback	
224	**Display Annotation**	
225	Patient name: first, last and middle	
226	Patient ID	
227	Alternate patient ID	
228	Age, sex and date of birth	
229	Hospital name	
230	Date format: three types selectable	• MM/DD/YY • DD/MM/YY • YY/MM/DD
231	Time format: 2 types selectable	• 24 hours • 12 hours
232	Gestational age from	• LMP • GA • EDD • BBT

233	Probe name	
234	Map names	
235	Probe orientation	
236	Depth scale marker	
237	Lateral scale marker	
238	Focal zone markers	
239	Image depth	
240	Zoom depth	
241	B-Mode	• Gain • Dynamic range • Imaging frequency • Frame averaging • Gray map • SRI
242	M-Mode	• Gain • Dynamic range • Time scale
243	Doppler Mode	• Gain • Angle • Sample volume depth and width • Wall filter • Velocity and/or frequency scale • Spectrum inversion • Time scale • PRF • Doppler frequency
244	Color Flow Doppler Mode	• 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
245	Digital TGC with 8 independent controls	
246	Acoustic frame rate	
247	CINE gauge, image number/frame number	
248	Body pattern: multiple human and animal types	
249	Application name	
250	Measurement results	
251	Operator message	
252	Displayed acoustic output	• TIS: Thermal Index Soft Tissue • TIC: Thermal Index Cranial (Bone) • TIB: Thermal Index Bone • MI: Mechanical Index
253	% of maximum power output	
254	Biopsy guide line and zone	
255	Heart rate	
256	**General System Parameters**	
257	**System Setup**	
258	Pre-programmable categories	
259	User programmable preset capability	
260	Factory default preset data	
261	Languages: English, French, German, Spanish, Italian, Portuguese, Russian, Greek, Swedish, Danish, Dutch, Finnish, Norwegian, Bulgarian, Croatian, Czech, Estonian, Hungarian, Japanese, Ukrainian, Korean, Latvian, Indonesian, Lithuanian, Brazilian-Portuguese, Polish, Romanian, Serbian, Turkish, Slovakian, Slovenian, Vietnamese, Kazakhstan	
262	OB Report Formats including Tokyo Univ., Osaka Univ., USA, Europe and ASUM and WHO	
263	User defined annotations	
264	Body patterns	
265	Customized comment home position	
266	EZ Imaging: Simplified user interface for high volume workflow	
267	**Complete user manual available on board through Help (F1)**	
268	User manual and service manual are included in USB stick with each system. A printed manual is available upon request.	

269	**CINE Memory/Image Memory**	
270	1 GB of CINE memory	
271	Selectable CINE sequence for CINE review	
272	Prospective CINE mark	
273	Measurements/calculations and annotations on CINE playback	
274	Scrolling timeline memory	
275	Dual Image CINE display	
276	Quad Image CINE display	
277	CINE gauge and CINE image number display	
278	CINE review loop	
279	CINE review speed	
280	**Image Storage**	
281	On-board database of patient information from past exams	
282	Storage formats: DICOM	• Compressed/uncompressed • Single/multi-frame • Enhanced (3D/4D) • With/without raw data
283	Exportable DICOM viewer	
284	Export BMP, JPEG, JPEG 2000, PNG, AVI, MP4, WMV formats	
285	Storage devices:	• 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: ~830GB
286	Compare previous exam images with current exam	
287	Reload of archived date sets	
288	B-mode image storage: 6781 sec maximum	
289	M-mode image storage: 6781 sec maximum	
290	Color-mode image storage: 9224 sec maximum	
291	3D/4D imaging: 460 volume per sec maximum	
292	**Connectivity**	
293	Ethernet network connection	
294	Ethernet IEEE 802.3 10BASE-T, 100BASE-TX & 1000BASE-T" (10M, 100M, 1Gbps)	
295	Wireless LAN 802.11ac/a/b/g/n (Option)	
296	DICOM 3.0	• Verify • Print • Store • Modality worklist • Storage commitment • Modality performed procedure step (MPPS) • Media exchange • Off network/mobile storage queue • Query/retrieve
297	Public SR template	
298	Structured Reporting – compatible with vascular and OB, cardiac and breast standard	
299	InSite capability	
300	Advanced privacy and security (Option)	
301	**Physiological input panel (Option)**	
302	Physiological input	• 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
303	Automatic heart rate display	
304	Auto Ejection Fraction	
305	**Report writer (Option)**	
306	On-board reporting package automates report writing for Vascular, Gyn, Pediatric, OB, Abdominal, Neonatal, Urological, Transcranial, Cardiac, MSK and Small Parts	
307	Formats various exam results into a report suitable for printing or reviewing on a standard PC	

308	Exam results include patient info, exam info, measurements, calculations, images, and comments Standard templates provided	
309	Customizable templates	
310	**Scanning Parameters**	
311	cSound™ Imageformer: Infinite number of effective channels including more than 10 focal points in every image	
312	B-Mode Frame rate: 9,675 Hz maximum	
313	Displayed imaging depth: 0 – 100 cm	
314	Minimum depth of field: 0 – 2 cm (zoom) (probe dependent)	
315	Maximum depth of field: 0 – 100 cm (probe dependent)	
316	Continuous dynamic receive focus	
317	Continuous dynamic receive aperture	
318	Adjustable dynamic range, inifinite upper level	
319	Adjustable field of view (FOV)	
320	System Frequency Range: 0.7-24 MHz, Unrelated with probe bandwidth, only pure system bandwidth is ranging in 1 - 25 MHz	
321	Image reverse: right/left	
322	Image rotation of 0°, 90°, 180°, 270°	
323	PW PRF: 0.4 - 35.5 KHz	
324	Doppler Velocity: 2893 cm/s maximum	
325	8 bits stored per color	
326	256 shades of gray	
327	256 color tones	
328	M-Mode frame rate: 5,525 Hz maximum	
329	M-Mode simultaneous: 1958 Hz maximum	
330	Color Doppler Frame Rate: 804 Hz Maximum	
331	B Flow Frame Rate: 1887Hz Maximum	
332	CW PRF: 65.97 KHz Maximum	
333	**Digital B-Mode**	
334	Adjustable	• Acoustic power: 2-100% • Gain: 0-90 dB, 1 dB/step • Dynamic range: 36 - 96 dB / 16 steps • Frame averaging: 8 steps • Gray scale map: 11 types • Frequency: up to 7 selectable depending on the probe • Speed of sound (application dependent) • Framerate: 9,675 Hz maximum • Scanning size (FOV or Angle) – Depending on the probe, see probe specifications • CrossXBeam: up to 9 angles selectable • B colorization • Rejection: 6 steps • Suppression: 6 steps • SRI: up to 6 selections
335	**Digital M-Mode**	
336	Adjustable	• Acoustic power: 20-100% • Gain: -60 - 30 dB • Dynamic range • Gray scale map: 9 types • Frequency • Sweep speed: 0-7, 8 steps • M colorization: 9 types • M display format: 6 types • Rejection: 6 steps
337	**Anatomical M-Mode**	
338	M-mode cursor adjustable at any plane	
339	Can be activated from a CINE loop from a live or stored image	
340	M & A capability	
341	Available with Color Flow Mode	
342	**Digital Spectral Doppler Mode**	

343	Adjustable	• Acoustic power: 1-100% • Gain: 0 - 85 dB, 1 dB/ step • Dynamic range: • Gray scale map: 8 types • Transmit frequency: up to 8 selectable depending on the probe • Wall filter: 5.5 - 5000 Hz/ 27 steps • PW colorization: 6 types • Velocity scale range: 24 steps • Max. Velocity: 10 - 2893 cm/s • Sweep speed: 0 - 7 / 8 steps • Sample volume length: 0.5 - 20 mm for dynamic exams depending on the probe • Angle correction: -90 to 90 degrees, 1 degree/ step • Steered linear: -20 - 20/ 7 steps • Spectrum inversion: on/off • Trace method: 3 steps • Baseline shift: 5-95 %/ 11 steps • Doppler auto trace: 3 steps • Time resolution • Compression: 0.5 - 2.4 dB / 9 steps • Trace direction: 3 steps • Trace sensitivity: 21 steps • Max frame rate in Duplex: 3.676 Hz
344	**Digital Color Flow Mode**	
345	Adjustable	• Acoustic power: 5-100% • Color maps, including velocity-variance maps: 23 types depending on the probe and preset • Gain: -20 to 30 dB / 101 steps • Velocity scale range: 1 - 298 cm/s/ 21 steps depending on the probe & preset • Wall filter: 0 - 3 / 4 steps • Packet size: 5, 6, 7, 8, 10, 12, 14, 16, 20, 24 / 10 steps • Line density: 5 steps • Spatial filter: 6 steps • Steering angle: -20, -15, -10, 0, 10, 15, 20 degree • Baseline shift: 0 - 100 % / 11 steps • Frame average: 0 - 10 / 11 steps • Threshold: 0 - 100 % / 11 steps • Max. Frame Rate: 804 Hz • Max Frame Rate in Triplex: 207 Hz • PRFs: 0.1 - 19.2 kHz • Auto ROI placement and steering on linear • Accumulation mode: 8 steps • Flash suppression: 5 steps • Shortcuts
346	**Digital Power Doppler Imaging**	
347	Adjustable	• Acoustic power: 5-100% • Color maps: 17 types • Gain: -20 to 30 dB / 101 steps • Velocity scale range • Wall filter: 0 - 3 / 4 steps • Packet size: 5, 6, 7, 8, 10, 12, 14, 16, 20, 24 / 10 steps depending on the probe & preset • Max. Frame Rate: 804Hz • PRFs: 0.1 - 17.9 kHz • Line density: 5 steps • Spatial filter: 6 steps • Steering angle: -20, -15, -10, 0, 10, 15, 20 degree • Frame average: 0 - 10 / 11 steps • Threshold: 0 - 100 % / 11 steps • Accumulation mode: 8 steps • Flash suppression: 5 steps • Shortcuts
348	**Continuous Wave Doppler (Option)**	
349	Available on M5Sc-D, 6S-D, 6Tc-RS, P2D, P6D and P8D probes	
350	Steerable CW mode included	

351	Adjustable	• Acoustic power: 1-100% • Gain: 0-85dB, 1dB/step • Dynamic range • Gray scale map: 8 types • Transmit frequency up to 3 selectable depending on the probe • Wall filter: 5-5299 Hz/ 27 steps, depending on the probe • CW colorization: 6 types • Velocity scale range: 24 steps, depending on the probe • Max velocity: 2120 cm/s • PRFs: 65.97 kHz • Sweep speed: 8 steps • Angle correction: ± 90 degrees, 1 degree / step • Spectrum inversion: On/Off • Trace method • Baseline shift: 5-95%/ 11 steps • Doppler auto trace • Compression: 0.5-2.4 dB/ 9 steps • Trace direction: 3 steps • Trace sensitivity: 21 steps
352	**Automatic Optimization**	
353	Optimize B-Mode image to help improve contrast resolution with one button press	
354	Selectable amount of contrast resolution improvement (low, medium, high)	
355	CTO (Continuous Tissue Optimization) – continuously adjusts B-Mode axial and lateral gain uniformity and overall gain level suppressing the noise	
356	Auto-spectral optimize – adjusts baseline, invert, PRF (on live image), and angle correction with one button press	
357	Auto CF and PW positioning – adjusts ROI position, sample volume position and steering with one button press	
358	**Coded Harmonic Imaging**	
359	Available on all 2D and 4D probes	
360	**B-Flow (Option)**	
361	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, ML6-15-D, M5Sc-D, L6-24-D, 9L-D	
362	Background: 4 steps	
363	Sensitivity/PRI: 1-40/ 19 steps	
364	Acoustic power	
365	Frequency: up to 5 selectable	
366	Line density: 5 steps	
367	Frame average: 7 steps	
368	Gray scale map: 9 types	
369	Tint map: 9 types	
370	Dynamic range: 36-96 dB/ 16 steps	
371	Rejection: 5 steps	
372	Gain: 0-90 dB, 1 dB/ step	
373	Suppression	
374	SRI: 0-4/ 5 steps	
375	Accumulation: 8 steps	
376	Visualization	
377	**Radiant*flow*™**	
378	Easy, fast visualization of tiny vessels, displaying as a 3D effect	
379	Available in Color Doppler, Power Doppler and MVI	
380	**B Steer+ (Option)**	
381	Available on the following probes: C1-6-D, C1-6VN-D, C2-9-D, L2-9VN-D, 9L-D, L3-12-D, ML6-15-D, L6-24-D, L4-20t-D, L3-9i-D, L8-18i-D	
382	**Coded contrast imaging (Option)**	
383	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, IC5-9-D, L3-12-D, L3-9i-D, M5Sc-D, ML6-15-D, RAB6-D, RIC5-9-D, BE9CS-D, 9L-D	
384	2 contrast timers	
385	Timed updates: 0.05 – 10 seconds	
386	Accumulation mode, seven levels	
387	Maximum enhance mode	
388	Flash	
389	Time intensity curve (TIC) analysis	
390	Parametric imaging	
391	Ability to save still image during clip acquisition	
392	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.	

393	**LOGIQView**	
394	Extended field of view Imaging	
395	Up to 160 cm (63") scan length	
396	Available on all 2D imaging probes	
397	For use in B-Mode	
398	CrossXBeam is available on linear probes	
399	Auto detection of scan direction	
400	Pre-or post-process zoom	
401	Rotation	
402	Auto best fit on monitor	
403	Measurements in B-Mode	
404	**3D**	
405	Allows unlimited rotation and planar translation	
406	3D reconstruction from CINE sweep	
407	Easy 3D available on all probes	
408	**Advanced 3D**	
409	Acquisition of color data	
410	Automatic rendering	
411	3D landscape technology	
412	3D movie	
413	**Real-time 4D (Option)**	
414	Acquisition modes	• Real Time 4D • Spatio-Temporal Image Correlation (Option) • Static 3D
415	Visualization modes	• 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 – VOCAL: semi-auto/manual segmentation tool (segmentation using touch screen) (Option) – 3D Static only – Threshold Volume: measure volume below and above a threshold
416	Render mode	• Surface texture, surface smooth, max-, min- and X-ray (average intensity projection), mix mode of two render modes • HD*live*™
417	SonoRender*live*	
418	Curved 3 point Render start	
419	3D Movie	
420	Scalpel: 3D cut tool	
421	Display format:	• Quad: A-/B-/C-Plane/3D • Dual: A-Plane/3D • Single: 3D or A- or B- or C-Plane
422	Automated Volume Calculation – VOCAL II	
423	Betaview	
424	**Volume navigation (Option)**	
425	Available on the following probes: C1-6VN-D, C2-7VN-D, C2-9VN-D, C3-10-D, L2-9VN-D, ML6-15-D, L8-18i-D, 9L-D, IC5-9-D, M5Sc-D	
426	Sensor-based acquisition	
427	Position markers	
428	Images Fusion with others modalities (RM, CT or PET-CT) in DICOM format	
429	Needle tip tracking	
430	Virtual tracking	
431	Auto image registration	
432	Tru3D feature includes	Display of data in: main-, parallel-, angular-mode
433	Render modes: gray surface, texture, min-, max-, average-intensity	
434	Measurements: distance, angle, area, volume	
435	3D Movie	
436	**Scan assistant (Option)**	
437	Factory programs	
438	User-defined programs	
439	Steps include image annotations, mode transitions, basic imaging controls and measurement initiation	
440	**Compare Assistant (Option)**	

441	Allows side-by-side comparison of previous ultrasound and other modality exams during live scanning
442	**Breast productivity package**
443	Auto measurement
444	Worksheet summary includes measurements and locations for lesions and lymph nodes
445	Feature assessment
446	BI-RADS™ assessment
447	User editable
448	**Thyroid productivity package (Option)**
449	Auto measurement
450	Worksheet summary includes measurements and locations for nodule, parathyroid and lymph nodes
451	Feature assessment
452	TI-RADS™ assessment
453	User editable
454	**Start Assistant**
455	Automatically select category, probe, preset, or scan assistant from worklist exam description
456	Learn the category, probe, preset, and scan assistant based on exam description
457	**Shear Wave Elastography (Option)**
458	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
459	User programmable measurement display in kPa and meters per second
460	Single and dual view display
461	Applications: Abdominal, Breast, Musculoskeletal, Small Parts, Prostate
462	**Microvascular Imaging (MVI)**
463	Available on the following probes: C1-6(VN)-D, C2-9(VN)-D, L2-9(VN)-D, L3-12-D, ML6-15-D, L8-18i-D, L4-20t-D, L6-24-D
464	**Strain elastography (Option)**
465	Available on the following probes: C1-6-D, C1-6VN-D, C2-9-D, C2-9VN-D, IC5-9-D, L2-9-D, L2-9VN-D, ML6-15-D, L3-12-D, L3-9i-D, L8-18i-D, L6-24-D, 9L-D, BE9CS-D
466	Relative analysis tool
467	Applications: Abdominal, Breast, Musculoskeletal, Small Parts, Prostate, Thyroid
468	**UGAP (Option)**
469	Available on the following probes: C1-6-D, C1-6VN-D, C2-9-D, C2-9VN-D
470	Measures liver attenuation* (attenuation coefficient [dB/cm/MHz]) by auto measure algorithm with reference B-mode
471	Simple and 2D color map (attenuation color map and Measurement Position Indicator Map)
472	**UGFF (Option)**
473	Available on the following probes: C1-6-D, C1-6VN-D
474	Measures ultrasound guided fat fraction derived from multiple parameters including (attenuation coefficient [dB/cm/MHz], signal to noise ratio (SNR), and Integrated backscatter coefficient)
475	UGAP attenuation imaging, simple and 2D color map available
476	**Quantitative flow analysis (Option)**
477	Available in color and power Doppler
478	**TVI (Option)**
479	Available on the following probes: M5Sc-D, 6Tc-RS, 6S-D, 12S-D probes
480	Myocardial Doppler imaging with color overlay on tissue image
481	Tissue color overlay can be removed to show just the 2D image, still retaining the tissue velocity information
482	Curved anatomical M-Mode: free (curved) drawing of M-Mode generated from the cursor independent from the axial plane
483	Q-Analysis: multiple time-motion trace display from selected points in the myocardium
484	**Stress echo (Option)**
485	Advanced and flexible stress echo examination capabilities
486	Provides exercise and pharmacological protocol templates
487	6 default templates
488	Template editor for user configuration of existing templates or creation of new templates
489	Reference scan display during acquisition for stress level comparison (dual screen)
490	Baseline level/previous level selectable
491	Raw data continuous capture
492	Over 100 sec. available
493	Wall motion scoring (bulls-eye and segmental)
494	Smart stress: Automatically set up various scanning parameters (e.g. geometry, frequency, gain) according to same projection on previous level
495	**Auto EF (Option)**
496	Allows semi-automatic measurement of the global EF (Ejection Fraction)
497	User editable
498	**Auto EF w/o ECG (Option)**
499	Allows semi-automatic measurement of the global EF (Ejection Fraction) wIthout the use of ECG
500	User editable
501	**Cardiac AFI (Option)**

502	Allows assessment of the complete left ventricle with all segments at a glance by combining three longitudinal views into one comprehensive bulls-eye view	
503	2D strain based data moves into clinical practice	
504	**App Launchpad**	
505	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.	
506	Only validated and released Apps are supported	
507	3rd-party Apps can be purchased through an AppStore on a GE Healthcare (GEHC) website	
508	Consult with a GE Healthcare (GEHC) representative for more details	
509	**Raw Data Streaming (optional)**	
510	Provides streaming of raw data out to 3rd-party devices designed to process this data	
511	**Virtual Convex**	
512	Provides a convex field of view	
513	Compatible with CrossXBeam	
514	Available on all linear and sector probes	
515	**SRI-HD and Advanced SRI**	
516	Speckle reduction imaging	
517	Provides multiple levels of speckle reduction	
518	Compatible with side-by-side DualView display	
519	Advanced SRI: two types selectable	• Type 1 – Compatible with all linear, convex and sector probes • Type 2 (Option) – Compatible with OB/GYN application
520	**CrossXBeam**	
521	Provides variable angle spatial compounding	
522	Live side-by-side DualView display	
523	Compatible with	• Color mode • PW • SRI • Coded harmonic imaging • Virtual convex
524	Available on all curved and linear probes	
525	**Controls available while “live”**	
526	Magnification Zoom: Magnifies the entire image on the screen without zoom ROI, 20x maximum zoom factor	
527	Pan Zoom: Magnifies the display of the data within the ROI	
528	HD Zoom: Magnifies the image within the zoom ROI, with higher spatial resolution than original images	
529	B/M/CrossXBeam-Mode	• Gain • TGC • Dynamic range • Acoustic output • Framerate control • Sweep speed for M-Mode • CrossXBeam angle
530	PW-Mode	• Gain • Dynamic range • Acoustic output • Transmission frequency • PRF • Wall filter • Spectral averaging • Sample volume gate: length, depth • Velocity scale
531	Color Flow-Mode	• CFM gain • CFM velocity range • Acoustic output • Wall echo filter • Packet size • Frame rate control • CFM spatial filter • CFM frame averaging • CFM line resolution • Frequency/velocity baseline shift
532	**Controls available on “freeze” or recall**	
533	Automatic optimization	
534	SRI	
535	CrossXBeam – display non-compounded and compounded image simultaneously in split screen	
536	3D reconstruction from a stored CINE loop	

537	B/M/CrossXBeam-Mode	• Gray map optimization • TGC • Colorized B and M • Frame average (loops only) • Dynamic range
538	Anatomical M-Mode	
539	Magnification zoom	
540	Pan zoom	
541	Maximum read zoom to 8x	
542	Baseline shift	
543	Sweep speed	
544	PW mode	• Gray map • Post gain • Baseline shift • Sweep speed • Invert spectral wave form • Compression • Rejection • Colorized spectrum • Display format • Doppler audio • Angle correct • Quick angle correct • Auto angle correct
545	Color flow	• Overall gain (loops and stills) • Color map • Transparency map • Frame averaging (loops only) • Flash suppression • CFM display threshold • Spectral invert for color/Doppler
546	Anatomical M-Mode on cine loop	
547	4D	• Gray map, colorize • Post gain • Change display – single, dual, quad sectional or rendered
548	**Measurements/Calculations**	
549	**General B-Mode**	
550	Depth and distance	
551	Circumference (ellipse/trace)	
552	Area (ellipse/trace)	
553	Volume (ellipsoid)	
554	% Stenosis (area or diameter)	
555	Angle between two lines	
556	Dual B-mode capability	
557	**General M-Mode**	
558	M-Depth	
559	Distance	
560	Time	
561	Slope	
562	Heart rate	
563	**General Doppler measurements/calculations**	
564	Velocity	
565	Time	
566	A/B ratio (velocities/frequency ratio)	
567	PS (Peak Systole)	
568	ED (End Diastole)	
569	PS/ED (PS/ED Ratio)	
570	ED/PS (ED/PS Ratio)	
571	AT (Acceleration Time)	
572	ACCEL (Acceleration)	
573	TAMAX (Time Averaged Maximum Velocity)	
574	Volume flow (TAMEAN and vessel area)	
575	Heart rate	
576	PI (Pulsatility Index)	

577	RI (Resistivity Index)	
578	**Real-time Doppler Auto Measurements/Calculations**	
579	PS (Peak Systole)	
580	ED (End Diastole)	
581	MD (Minimum Diastole)	
582	PI (Pulsatility Index)	
583	RI (Resistivity Index)	
584	AT (Acceleration Time)	
585	ACC (Acceleration)	
586	PS/ED (PS/ED Ratio)	
587	ED/PS (ED/PS Ratio)	
588	HR (Heart Rate)	
589	TAMAX (Time Averaged Maximum velocity)	
590	PVAL (Peak Velocity value)	
591	Volume flow (TAMEAN and vessel area)	
592	**Abdominal measurements/calculations**	
593	Shear Elasto velocity	
594	Shear Elasto stiffness	
595	Attenuation rate	
596	Attenuation coefficient	
597	Summary reports	
598	**Small Parts measurements/calculations including Thyroid, Breast, Scrotal and Musculoskeletal**	
599	Breast Lesion	
600	Thyroid	
601	Parathyroid	
602	Lymph Node	
603	Nodule	
604	Isthmus AP	
605	Shear Elasto velocity	
606	Shear Elasto stiffness	
607	Summary reports	
608	**OB measurements/calculations**	
609	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) • OOD (Outer Orbital Diameter) • IOD (Inner Orbital Diameter) • FIB (Fibula length) • Radius (Radius length) • LV (Lateral Ventricle width) (= SL)
610	Estimated Fetal Weight (EFW) by:	• AC, BPD • AC, BPD, FL • AC, BPD, FL, HC • AC, FL • AC, FL, HC • AC, HC • BPD, APTD, TTD, FL • BPD, APTD, TTD, SL
611	Fetal graphical trending	
612	Growth percentiles	

613	Multi-gestational calculations (4)
614	Fetal qualitative description (anatomical survey)
615	Fetal environmental description (biophysical profile)
616	Programmable OB tables
617	Over 20 selectable OB calculations
618	Expanded worksheets
619	Summary Reports
620	**OB Calculations and ratios**
621	FL/BPD
622	FL/AC
623	FL/HC
624	HC/AC
625	CI (Cephalic Index)
626	AFI (Amniotic Fluid Index)
627	CTAR (Cardio-Thoracic Area Ratio)
628	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
629	**OB measure assistant (option)**
630	Allows automatic measurement of BPD, HC, FL and AC
631	User editable
632	**SonoNT and SonoIT (option)**
633	SonoNT measures the contour detection of the NT border
634	SonoIT is a system supported measurement for Intracranial Translucency
635	**GYN measurements/calculations**
636	Right ovary length, width, height
637	Left ovary length, width, height
638	Uterus length, width, height
639	Cervix length, trace
640	Ovarian volume
641	ENDO (Endometrial thickness)
642	Ovarian RI
643	Uterine RI
644	Follicular measurements
645	Fibroid measurements
646	Qualitative description (anatomical survey)
647	Mean Uterine Artery (Gomez) Doppler Measurement
648	Summary reports
649	**Vascular measurements/calculations**
650	SYS DCCA (Systolic Distal Common Carotid Artery)
651	DIAS DCCA (Diastolic Distal Common Carotid Artery)
652	SYS MCCA (Systolic Mid Common Carotid Artery)
653	DIAS MCCA (Diastolic Mid Common Carotid Artery)
654	SYS PCCA (Systolic Proximal Common Carotid Artery)
655	DIAS PCCA (Diastolic Proximal Common Carotid Artery)
656	SYS DICA (Systolic Distal Internal Carotid Artery)
657	DIAS DICA (Systolic Distal Internal Carotid Artery)
658	SYS MICA (Systolic Mid Internal Carotid Artery)
659	DIAS MICA (Diastolic Mid Internal Carotid Artery)
660	SYS PICA (Systolic Proximal Internal Carotid Artery)
661	DIAS PICA (Diastolic Proximal Internal Carotid Artery)
662	SYS DECA (Systolic Distal External Carotid Artery)
663	DIAS DECA (Diastolic Distal External Carotid Artery)
664	SYS PECA (Systolic Proximal External Carotid Artery)
665	DIAS PECA (Diastolic Proximal External Carotid Artery)
666	VERT (Systolic Vertebral Velocity)
667	SUBCLAV (Systolic Subclavian Velocity)
668	Auto IMT (Option)
669	Summary reports
670	**Urological measurements/calculations**
671	Bladder volume
672	Prostate volume
673	Left/right renal volume
674	Generic volume

675	Post-void bladder volume	
676	Pelvic floor measurements	
677	Summary reports	
678	**TCD measurements/calculations**	
679	MCA, ACA, PCA, ICA	
680	AComA, PCom A	
681	Vert	
682	Basilar	
683	MCA/ICA Ratio	
684	Summary reports	
685	**Pediatric and Neonatal measurements/calculations**	
686	Hip angle	
687	Hip orientation	
688	Summary reports	
689	**Probes (All Optional)**	
690	**XDClear Technology includes Single Crystal, Acoustic Amplifier and Cool Stack Technologies**	
691	**12S-D, sector probe**	
692	Applications	Pediatric cardiac, pediatric abdominal, neonatal abdominal, neonatal head
693	Bandwidth	4.0 – 12.0 MHz
694	Number of elements	96
695	Field of view (max.)	90°
696	Physical foot print	9.3 x 5.5 mm
697	B-Mode frequency	6.0, 7.0, 8.0, 9.0 MHz
698	Harmonic frequency	6.0, 7.0, 8.0, 9.0 MHz
699	PW Doppler frequency	5.0, 6.3, 8.3 MHz
700	Color Doppler frequency	4.9, 5.4, 6.3, 7.3 MHz
701	**6S-D, sector probe**	
702	Applications	Pediatric cardiac, pediatric abdomen
703	Bandwidth	2.0 – 8.0 MHz
704	Number of elements	96
705	Field of view (max.)	115°
706	Physical foot print	15 x 9 mm
707	B-Mode frequency	4.0, 4.2, 5.0, 5.5, 6.5 MHz
708	Harmonic frequency	4.7, 4.9, 5.3, 5.7, 6.1, 6.3 MHz
709	PW Doppler frequency	2.8, 3.1, 3.6, 4.2 MHz
710	Color Doppler frequency	2.7, 3.1, 4.2, 5.0 MHz
711	**6Tc-RS, trans-esophageal probe**	
712	Applications	Adult cardiac
713	Bandwidth	2.0 – 8.0 MHz
714	Number of elements	64
715	Field of view (max.)	90°
716	Physical foot print	37 x 13 x 10 mm
717	B-Mode frequency	5.0, 6.0, 6.5 MHz
718	Harmonic frequency	6.0 MHz
719	PW Doppler frequency	3.1, 3.6, 4.2, 5.0, 6.3 MHz
720	Color Doppler frequency	3.3, 4.1, 4.7, 5.5 MHz
721	**BE9CS-D**	
722	Applications	Urology
723	Biopsy guide	Single angle, disposable (E8387M); Single angle, reusable (E8387MA)
724	Bandwidth	3.0 - 12.0 MHz
725	Number of elements	64
726	Field of view (max.)	133°
727	Physical foot print	19 x 19 mm
728	B-Mode frequency	6.0, 7.0, 8.0, 9.0 MHz
729	Harmonic frequency	7.0, 8.0, 9.0, 10.0 MHz
730	PW Doppler frequency	4.2, 5.0, 6.3 MHz
731	Color Doppler frequency	4.3, 6.3, 8.2 MHz
732	**C1-6-D, XDclear™ convex probe**	
733	Applications	Abdomen, OB/GYN, pediatric, peripheral vascular, general musculoskeletal
734	Biopsy guide	Multi-angle, disposable with a reusable bracket (H4917VB)
735	Bandwidth	1.0 – 6.0 MHz
736	Number of elements	192
737	Field of view (max.)	90°

738	Physical foot print	67 x 11 mm
739	B-Mode frequency	2.0, 2.5, 3.0, 4.0 MHz
740	Harmonic frequency	1.5, 2.5, 3.0, 4.5, 6.0, 6.5 MHz
741	PW Doppler frequency	1.7, 2.1, 2.5, 3.6 MHz
742	Color Doppler frequency	1.8, 2.1, 2.5, 2.8, 3.0 MHz
743	**C1-6VN-D, VNav inside XDclear convex probe**	
744	VNav sensor inside probe for Volume Navigation tracking without sensor cables	
745	Applications	Abdomen, OB/GYN, pediatric, peripheral vascular, general musculoskeletal
746	Biopsy guide	Multi-angle, disposable with a reusable bracket (H4917VB)
747	Bandwidth	1.0 – 6.0 MHz
748	Number of elements	192
749	Field of view (max.)	90°
750	Physical foot print	67 x 11 mm
751	B-Mode frequency	2.0, 2.5, 3.0, 4.0 MHz
752	Harmonic frequency	1.5, 2.5, 3.0, 4.5, 6.0, 6.5 MHz
753	PW Doppler frequency	1.7, 2.1, 2.5, 3.6 MHz
754	Color Doppler frequency	1.8, 2.1, 2.5, 2.8, 3.0 MHz
755	**C2-7-D, micro convex biopsy probe**	
756	Applications	Abdomen, pediatric
757	Biopsy guide	Multi-angle, disposable with a reusable bracket (H40482LK), Multi-Angle, reusable stainless bracket (H40482LL)
758	Bandwidth	1.0 – 6.0 MHz
759	Number of elements	144
760	Field of view (max.)	110°
761	Physical foot print	31 x 10 mm
762	B-Mode frequency	2.5, 4.0, 6.0 MHz
763	Harmonic frequency	3.0, 4.0, 5.0, 6.0 MHz
764	PW Doppler frequency	1.8, 2.1, 2.5, 3.1 MHz
765	Color Doppler frequency	2.1, 2.4, 3.1, 3.7 MHz
766	**C2-7VN-D, VNav inside XDclear convex probe**	
767	VNav sensor inside probe for Volume Navigation tracking without sensor cables	
768	Applications	Abdomen, pediatric
769	Biopsy guide	Multi-angle, disposable with a reusable bracket (H40482LK), Multi-Angle, reusable stainless bracket (H40482LL)
770	Bandwidth	1.0 – 6.0 MHz
771	Number of elements	144
772	Field of view (max.)	110°
773	Physical foot print	31 x 10 mm
774	B-Mode frequency	2.5, 4.0, 6.0 MHz
775	Harmonic frequency	3.0, 4.0, 5.0, 6.0 MHz
776	PW Doppler frequency	1.8, 2.1, 2.5, 3.1 MHz
777	Color Doppler frequency	2.1, 2.4, 3.1, 3.7 MHz
778	**C2-9-D, XDclear convex probe**	
779	Applications	Abdomen, OB/GYN, pediatric, peripheral vascular, neonatal, neonatal transcranial, general musculoskeletal
780	Biopsy guide	Multi-angle, disposable with a reusable bracket (H4913BA)
781	Bandwidth	2.0 – 9.0 MHz
782	Number of elements	192
783	Field of view (max.)	90°
784	Physical foot print	52 x 9 mm
785	B-Mode frequency	3.0, 4.5, 6.0, 7.0 MHz
786	Harmonic frequency	2.5, 3.5, 5.0, 7.0, 9.0 MHz
787	PW Doppler frequency	2.5, 3.1, 3.6, 4.2, 5.0, 6.3 MHz
788	Color Doppler frequency	3.1, 4.2, 4.6, 5.4 MHz
789	**C2-9VN-D, VNav inside XDclear convex probe**	
790	VNav sensor inside probe for Volume Navigation tracking without sensor cables	
791	Applications	Abdomen, OB/GYN, pediatric, peripheral vascular, neonatal, neonatal transcranial, general musculoskeletal
792	Biopsy guide	Multi-angle, disposable with a reusable bracket (H4913BA)
793	Bandwidth	2.0 – 9.0 MHz
794	Number of elements	192
795	Field of view (max.)	90°
796	Physical foot print	52 x 9 mm
797	B-Mode frequency	3.0, 4.5, 6.0, 7.0 MHz
798	Harmonic frequency	2.5, 3.5, 5.0, 7.0, 9.0 MHz

799	PW Doppler frequency	2.5, 3.1, 3.6, 4.2, 5.0, 6.3 MHz
800	Color Doppler frequency	3.1, 4.2, 4.6, 5.4 MHz
801	**C3-10-D, XDclear micro convex probe**	
802	Applications	Abdomen, neonatal, pediatric, peripheral vascular, neonatal transcranial, small part
803	Bandwidth	2.0 – 11.0 MHz
804	Number of elements	192
805	Field of view (max.)	95°
806	Physical foot print	26 x 5 mm
807	B-Mode frequency	4.0, 6.0, 8.0 MHz
808	Harmonic frequency	6.0, 8.0, 10.0 MHz
809	PW Doppler frequency	3.1, 4.2, 6.3, 7.1 MHz
810	Color Doppler frequency	3.9, 5.3, 6.6 MHz
811	**IC5-9-D, micro convex probe**	
812	Applications	OB/GYN, urology
813	Biopsy guide	Single angle, disposable with a disposable bracket (E8385MJ) or reusable bracket (H40412LN)
814	Bandwidth	3.0 – 10.0 MHz
815	Number of elements	192
816	Field of view (max.)	180°
817	Physical foot print	26 x 6 mm
818	B-Mode frequency	4.5, 5.0, 5.5, 6.0, 7.0, 8.0 MHz
819	Harmonic frequency	6.0, 6.5, 7.0, 9.0 MHz
820	PW Doppler frequency	3.6, 4.2, 5.0 MHz
821	Color Doppler frequency	4.6, 5.9, 6.7 MHz
822	**L2-9-D, XDclear linear probe**	
823	Applications	Peripheral vascular, pediatric, abdomen, OB/GYN, general musculoskeletal, superficial musculoskeletal, neonatal, neonatal transcranial and small parts inculding breast, thyroid and scrotal
824	Biopsy guide	Multi-angle, disposable with a reusable bracket (H44901AM)
825	Bandwidth	2.0 – 10.0 MHz
826	Number of elements	192
827	Field of view (max.)	44 mm
828	Physical foot print	53 x 14 mm
829	B-Mode frequency	4.0, 4.5, 5.0, 6.0, 7.0 MHz
830	Harmonic frequency	5.0, 6.0, 7.0, 8.0, 9.0, 9.4 MHz
831	PW Doppler frequency	2.5, 2.8, 3.1, 3.6, 4.2, 5.0 MHz
832	Color Doppler frequency	3.1, 4.0, 4.6, 5.3 MHz
833	**L2-9VN-D, VNav inside XDclear linear probe**	
834	VNav sensor inside probe for Volume Navigation tracking without sensor cables	
835	Applications	Peripheral vascular, pediatric, abdomen, OB/GYN, general musculoskeletal, superficial musculoskeletal, neonatal, neonatal transcranial and small parts inculding breast, thyroid and scrotal
836	Biopsy guide	Multi-angle, disposable with a reusable bracket (H44901AM)
837	Bandwidth	2.0 – 10.0 MHz
838	Number of elements	192
839	Field of view (max.)	44 mm
840	Physical foot print	53 x 14 mm
841	B-Mode frequency	4.0, 4.5, 5.0, 6.0, 7.0 MHz
842	Harmonic frequency	5.0, 6.0, 7.0, 8.0, 9.0, 9.4 MHz
843	PW Doppler frequency	2.5, 2.8, 3.1, 3.6, 4.2, 5.0 MHz
844	Color Doppler frequency	3.1, 4.0, 4.6, 5.3 MHz
845	**9L-D, linear probe**	
846	Applications	Peripheral vascular, small parts, breast, general musculoskeletal, superficial musculoskeletal, pediatric, abdomen, OB/GYN, neonatal, neonatal transcranial
847	Biopsy guide	Multi-angle, disposable with a reusable bracket (H4906BK)
848	Bandwidth	2.0 – 8.0 MHz
849	Number of elements	192
850	Field of view (max.)	44 mm
851	Physical foot print	44 x 6 mm
852	B-Mode frequency	4.0, 4.5, 5.0, 6.0, 7.0 MHz
853	Harmonic frequency	5.0, 6.0, 7.0, 8.0, 9.0, 9.4 MHz
854	PW Doppler frequency	3.6, 4.2, 5.0, 5.6, 6.3 MHz
855	Color Doppler frequency	3.5, 4.5, 5.1, 5.8 MHz
856	**L3-9i-D, linear probe**	

857	Applications	Abdomen, intraoperative
858	Bandwidth	2.0 – 10.0 MHz
859	Number of elements	192
860	Field of view (max.)	38 mm
861	Physical foot print	38 x 5 mm
862	B-Mode frequency	3.0, 5.0, 7.0 MHz
863	Harmonic frequency	3.0, 6.0, 9.0 MHz
864	PW Doppler frequency	3.1, 3.6, 5.0, 6.3, 7.1 MHz
865	Color Doppler frequency	2.6, 2.9, 4.1, 5.4 MHz
866	**L3-12-D, linear probe**	
867	Applications	Abdomen, OB, general musculoskeletal, superficial musculoskeletal, neonatal, neonatal transcranial, small parts, vascular, pediatrics, breast
868	Biopsy guide	Multi-angle, disposable with a reusable bracket (H78652PA)
869	Bandwidth	3.0 – 11.0 MHz
870	Number of elements	256
871	Field of view (max.)	51 mm
872	Physical foot print	51 x 4 mm
873	B-Mode frequency	6.0, 8.0, 10.0, 12.0 MHz
874	Harmonic frequency	4.0, 6.0, 8.0, 10.0, 12.0 MHz
875	PW Doppler frequency	4.2, 5.0, 6.3, 8.3 MHz
876	Color Doppler frequency	4.3, 4.9, 5.4, 6.1, 7.2, 8.0 MHz
877	**L4-20t-D, XDClear linear probe**	
878	Applications	General musculoskeletal, superficial musculoskeletal, vascular
879	Biopsy guide	Multi-angle, disposable with a reusable bracket (H45201BLF)
880	Bandwidth	4.0 - 15.0 MHz
881	Number of elements	256
882	Field of view (max.)	39 mm
883	Physical foot print	48 x 12 mm
884	B-Mode frequency	10, 14, 18 MHz
885	Harmonic frequency	10, 13, 16, 20 MHz
886	PW Doppler frequency	5.6, 7.1, 8.3, 10.0 MHz
887	Color Doppler frequency	5.7, 6.3, 6.6, 6.8, 7.5, 8.0, 9.0, 9.5, 10.0 MHz
888	**L6-24-D, linear probe**	
889	Applications	General musculoskeletal, superficial musculoskeletal, neonatal, small parts, breast, peripheral vascular, abdomen
890	Bandwidth	6.0 – 20.0 MHz
891	Number of elements	192
892	Field of view (max.)	26 mm
893	Physical foot print	32 x 8 mm
894	B-Mode frequency	12.0, 16.0, 21.0 MHz
895	Harmonic frequency	12.0, 18.0, 20.0, 24.0 MHz
896	PW Doppler frequency	8.3, 10.0, 12.5 MHz
897	Color Doppler frequency	9.2, 11.2, 12.2 MHz
898	**L8-18i-D, linear probe**	
899	Applications	Small parts, peripheral vascular, neonatal, neonatal transcranial, general musculoskeletal, superficial musculoskeletal, intraoperative
900	Bandwidth	4.0 – 15.0 MHz
901	Number of elements	168
902	Field of view (max.)	25 mm
903	Physical foot print	35 x 10 mm
904	B-Mode frequency	7.0, 9.0, 13.0, 16.0 MHz
905	Harmonic frequency	14.0, 16.0, 18.0 MHz
906	PW Doppler frequency	5.0, 6.3, 7.1, 8.3 MHz
907	Color Doppler frequency	6.3, 6.7, 9.6, 10.5 MHz
908	**M5Sc-D, XDclear sector probe**	
909	Applications	Adult cardiac, pediatric cardiac, adult cephalic, abdominal
910	Biopsy guide	Multi-angle, disposable with a reusable bracket (H45561FC)
911	Bandwidth	1.0 – 5.0 MHz
912	Number of elements	288
913	Field of view (max.)	120°
914	Physical foot print	28 x 17 mm
915	B-Mode frequency	2.0, 2.5, 3.5, 4.5 MHz

916	Harmonic frequency	2.4, 3.0, 3.2, 3.3, 3.7, 4.0, 4.5 MHz
917	PW Doppler frequency	1.6, 1.7, 1.8, 1.9, 2.1, 2.5, 3.1, 3.6 MHz
918	Color Doppler frequency	1.7, 1.8, 1.9, 2.2, 2.4, 2.5, 3.0, 3.1, 3.7, 3.8 MHz
919	**ML6-15-D, matrix array linear probe**	
920	Applications	Abdomen, peripheral vascular, neonatal, pediatric, neonatal transcranial, general musculoskeletal, superficial musculoskeletal and small parts inculding breast, thyroid and scrotal
921	Biopsy guide	Multi-angle, disposable with a reusable bracket (H40432LJ)
922	Bandwidth	4.0 – 16.0 MHz
923	Number of elements	1008
924	Field of view (max.)	50 mm
925	Physical foot print	50.4 x 10 mm
926	B-Mode frequency	7.0, 9.0, 10.0, 11.0, 12.0, 15.0 MHz
927	Harmonic frequency	10.0, 12.0, 14.0, 15.0 MHz
928	PW Doppler frequency	5.0, 6.3, 8.3 MHz
929	Color Doppler frequency	5.1, 6.1, 7.3, 8.2, 9.2, 10.3, 11.4, 12.4 MHz
930	**P2D, CW split crystal probe**	
931	Applications	Adult cardiac, pediatric cardiac, peripheral vascular, adult cephalic
932	Frequency	2.1 MHz
933	**P6D, CW split crystal probe**	
934	Applications	Adult cardiac, pediatric cardiac, peripheral vascular, adult cephalic
935	Frequency	6.3 MHz
936	**P8D, CW split crystal probe**	
937	Applications	Adult cardiac, pediatric cardiac, peripheral vascular, adult cephalic
938	Frequency	8.3 MHz
939	**RAB6-D, convex volume probe**	
940	Applications	Abdomen, OB/GYN, pediatric, neonatal
941	Biopsy guide	Single angle, reusable bracket (H46701AE)
942	Bandwidth	2.0 – 8.0 MHz
943	Number of elements	192
944	Field of view (max.)	80°
945	Physical foot print	62 x 34 mm
946	B-Mode frequency	3.5, 5.0, 8.0 MHz
947	Harmonic frequency	4.0, 5.0, 6.5, 8.0 MHz
948	PW Doppler frequency	3.1, 4.2, 5.0 MHz
949	Color Doppler frequency	2.8, 3.5, 3.8 MHz
950	**RIC5-9-D, convex volume probe**	
951	Applications	OB/GYN, urology
952	Biopsy guide	Single angle, reusable (H46721R)
953	Bandwidth	3.0 – 10.0 MHz
954	Number of elements	192
955	Field of view (max.)	180°
956	Physical foot print	32 x 27 mm
957	B-Mode frequency	5.0, 5.5, 6.0, 6.5, 7.0, 8.0 MHz
958	Harmonic frequency	6.0, 6.5, 7.0, 9.0 MHz
959	PW Doppler frequency	3.6, 4.2, 5.0 MHz
960	Color Doppler frequency	4.3, 6.1, 7.3 MHz
961	**Vscan Air CL, Convex probe**	
962	Applications	Abdomen, OB, peripheral vascular, general musculoskeletal, superficial musculoskeletal, cardiac, pleural
963	Bandwidth	2 - 5 MHz
964	Number of elements	128
965	Field of view (max.)	67°
966	Physical foot print	64 x 16 mm
967	B-Mode frequency	4.0 MHz
968	Harmonic frequency	4.0, 4.4 MHz
969	PW Doppler frequency	2.3 MHz
970	Color Doppler frequency	1.9, 2.3 MHz
971	**Vscan Air CL, Linear probe**	
972	Applications	Peripheral Vascular, Thyroid, Scrotal, Breast, general musculoskeletal, superficial musculoskeletal, pediatric cephalic, pleural
973	Bandwidth	3 - 12 MHz
974	Number of elements	192
975	Field of view (max.)	38.4 mm

976	Physical foot print	40 x 7 mm
977	B-Mode frequency	8.0, 12.5 MHz
978	Harmonic frequency	8.5 MHz
979	PW Doppler frequency	4.5 MHz
980	Color Doppler frequency	4.5, 6.0 MHz
981	**External Inputs and outputs (not including on-board peripherals)**	
982	HDMI	
983	Ethernet	
984	Multiple USB 3.0 ports	
985	**Safety Conformance**	
986	**The LOGIQ Fortis is:**	
987	Classified to ANSI/AAMI ES60601-1 Medical Electrical Equipment, Part 1: General Requirements for Safety by a Nationally Recognized Test Lab	
988	Certified to CSA CAN/CSA-C22.2 NO. 60601-1 General requirements for safety	
989	CE Marked to Regulation (EU) 2017/745 on Medical Devices Conforms to the following standards for safety	
990	IEC/EN 60601-1 Medical electrical equipment – Part 1: General requirements for basic safety and essential performance	
991	Conforms to the following standards for safety (including national deviations)	• IEC/EN 60601-1-2 Medial electrical equipment – Part 1-2: General requirements for safety – Collateral Standard: Electromagnetic compatibility – requirements and tests • IEC/EN 60601-1-6 Medical electrical equipment Part 1 -6: General requirements for basic safety and essential performance – Collateral Standard: Usability • IEC/EN 60601-1-9 Medical electrical equipment Part 1 -9: General requirements for basic safety and essential performance –Collateral Standard: Requirements for environmentally conscious design • IEC/EN 60601-2-37 Medical electrical equipment – Part 2-37: Particular requirements for the safety of ultrasonic medical diagnostic and monitoring equipment • IEC/EN 62366-1 Application of usability engineering to medical devices • IEC/EN 62304 Software Life Cycle Processes • IEC/EN 62359 Ultrasonic - Field characterization - Test methods for the determination of thermal and mechanical indices related to medical diagnostic ultrasonic fields
992		• EN ISO 15223-1: Symbols to be used with medical device labels, labelling and information to be supplied • ISO 10993-1 Biological evaluation of medical devices – Part 1 Evaluation and testing •ISO 17664-2 : Processing of health care products — Information to be provided by the medical device manufacturer for the processing of medical devices • ISO14971 (Medical devices - Application of risk management to medical devices) • EMC Emissions Group 1, class A device requirements as per Sub clause 4.2 of CISPR 11 • WEEE (Waste Electrical and Electronic Equipment) • RoHS according to 2011/65 EU 2015/863 EU Including national deviations • Wireless equipment shall be certified to FCC, RED and Japan Radio Law. •Medical Device Good Manufacturing Practice Manual issued by the FDA (Food and Drug Administration, Department of Health, USA).
993	**Supplement: cardiac measurements/calculations**	
994	**B-Mode measurements**	
995	Aorta	• 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)
996	Aortic valve	• Aortic Valve Cusp Separation (AV Cusp) • Aortic Valve Area Planimetry (AVA Planimetry) • (Trans AVA)

997	Left atrium	• 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)
998	Left ventricle	• 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)
999	Left ventricle continued	• 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)
1000	Mitral valve	• Mitral Valve Annulus Diameter (MV Ann Diam) • E-Point-to-Septum Separation (EPSS) • Mitral Valve Area Planimetry (MVA Planimetry)
1001	Pulmonic valve	• Pulmonic Valve Area (PV Planimetry) • Pulmonic Valve Annulus Diameter (PV Annulus Diam) • Pulmonic Diameter (Pulmonic Diam)
1002	Right atrium	• 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)
1003	Right ventricle	• 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)
1004	System inferior vena cava	• Systemic Vein Diameter (Systemic Diam) • Patent Ductus Arterosis 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)
1005	Tricuspid valve	• Tricuspid Valve Area (TV Panimetry) • Tricuspid Valve Annulus Diameter (TV Annulus Diam)

1006	**M-Mode measurements**	
1007	Aorta	• Aortic Root Diameter (Ao Root Diam) • Aortic Valve • Aortic Valve Diameter (AV Diam) • Aortic Valve Cusp separation (AV Cusp) • Aortic Valve Ejection Time (LVET)
1008	Left atrium	• Left Atrium Diameter to AoRoot Diameter Ratio (LA/Ao Ratio) • Left Atrium Diameter (LA Diam)
1009	Left ventricle	• 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)
1010	Mitral valve	• 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)
1011	Pulmonic valve	• QRS Complex to End of Envelope (Q-PV close)
1012	Right ventricle	• 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)
1013	System	• Pericard Effusion (PE (d))
1014	Tricuspid valve	• QRS Complex to End of Envelope (Q-TV close) • Tricuspid Annular Plane Systolic Excursion (TAPSE)
1015	**Doppler Mode measurements**	
1016	Aortic valve	• 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)
1017	Aortic valve continued	• 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)
1018	Left ventricle	• 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)

1019	Mitral valve	• 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)
1020	Mitral valve continued	• 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)
1021	Mitral valve continued	• 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)
1022	Pulmonic Valve	• 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)
1023	Pulmonic valve continued	• 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)
1024	Right ventricle	• 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)

1025	System	• 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 (Qp/Qs)
1026	Tricuspid valve	• 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)
1027	Tricuspid valve continued	• 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)
1028	**Color Flow Mode measurements**	
1029	Aortic valve	• 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)
1030	Mitral valve	• 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)
1031	**Combination Mode measurements**	
1032	Aortic valve	• 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)

1033	Left ventricle	• 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)
1034	Left ventricle continued	• 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)
1035	Mitral valve	• Stroke Volume by Mitral Flow (MVA Planimetry, MV Trace) • Cardiac Output by Mitral Flow (MVA Planimetry, MV Trace, HR)
1036	Pulmonic valve	• Stroke Volume by Pulmonic Flow (PV Planimetry, PV Trace) • Cardiac Output by Pulmonic Flow (PV Planimetry, PV Trace, HR)
1037	Tricuspid valve	• Cardiac Output by Tricuspid Flow (TV Planimetry, TV Trace, HR)
1038	**Combination Mode measurements**	
1039	Parameter: lists the mode, the measurement folder and the specific measurement	
1040	Measured Value: Up to six measurement values for each item. Average, maximum, minimum or last	
1041	**Generic study in cardiology**	
1042	Stroke Volume (SV)	
1043	Cardiac Output (CO)	

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