

Specificatia tehnică completată

Model: Logiq P9 ; Producător: GE Healthcare+GE Ultraound Korea+ GE Medical Systems SCS; Tara: SUA+Korea+France

Specificarea tehnică deplină solicitată de către autoritatea contractantă	Specificarea tehnică deplină propusă de către autoritatea ofertantă
<p>Dispozitiv doppler a vaselor extra și intracraniene APLICAȚII CLINICE Vizualizarea arterei principale carotide, venelor vertebrale, vizualizarea vaselor sangvine intra și extracraniene</p> <p>Descriere generală Tip dispozitiv Staționar PROBE PORTURI ≥3 Indicator port activ da PROBE TIP, MHz Linear pentru vizualizarea arterei carotide 4,4 – 11 Mhz</p> <p>Sectorial pentru vizualizarea vaselor extra și intracraniene 2-5 Mhz Multifrecventa min 9 frecvente da</p> <p>NIVELE DE GRI ≥256 GAMA DINAMICĂ ≥180dB Adâncimea scanării ≥ 39 cm Diapazon frecventa ≥1-18 Mhz</p> <p>Sonde acceptate de sistem convexe, TEE, intra-operationale, Sectoriale matriciale, volumetrice matriciale 4D, CW pencil, etc POSTPROCESARE da IMAGINE MODURI 2D-mod da Real time Dual 2-D +Doppler da Phased Array Inversed Harmonics Angio da</p> <p>M-Mode color da Compunere spatia la da Armonici tisulare Armonici tisulare diferențiale da</p> <p>DOPPLER Tip PW, CFM, Tisular, vizualizare micro-vasculara Flux dinamic avansat da Masurători automatizateda Power Doppler da Duplex da Triplex da</p> <p>FUNȚIONALITĂȚI Măsurători digitale da Diapazon dinamic selectabil da</p>	<p>Dispozitiv doppler a vaselor extra și intracraniene APLICAȚII CLINICE Vizualizarea arterei principale carotide, venelor vertebrale, vizualizarea vaselor sangvine intra și extracraniene DA</p> <p>Descriere generală Tip dispozitiv Staționar DA PROBE PORTURI 4 DA Indicator port activ DA PROBE TIP, MHz Linear pentru vizualizarea arterei carotide L-3-12-RS, 2-11 Mhz</p> <p>Sectorial pentru vizualizarea vaselor extra și intracraniene 3Sc-RS, 1-5 Mhz Multifrecventa min 9 frecvente DA in dependeta de sonda si regimul folosit</p> <p>NIVELE DE GRI - 256 DA GAMA DINAMICĂ - 180dB DA Adâncimea scanării - 48 cm DA Diapazon frecventa - 1-20 Mhz</p> <p>Sonde acceptate de sistem convexe, TEE, intra-operationale, Sectoriale matriciale , volumetrice matriciale 4D, CW pencil, etc POSTPROCESARE DA IMAGINE MODURI 2D-mod DA Real time Dual 2-D +Doppler DA Phased Array Inversed Harmonice DA Angio DA + Regimul non-doppler B-Flow</p> <p>M-Mode color DA Compunere spatia la DA Armonici tisulare DA Armonici tisulare diferențiale DA</p> <p>DOPPLER Tip PW, CFM, Tisular, vizualizare micro-vasculara DA Flux dinamic avansat DA Masurători automatizate DA Power Doppler DA Duplex DA Triplex DA</p> <p>FUNȚIONALITĂȚI Măsurători digitale DA Diapazon dinamic selectabil DA</p>

Focalizare de transmisie ajustabilă da	Focalizare de transmisie ajustabilă DA
Focalizare de recepție dinamică da	Focalizare de recepție dinamică DA
Vizualizare micro –vasculara cu flux reduc da	Vizualizare micro –vasculara cu flux reduc DA
Elastografie prin shear wave Da (optional)	Elastografie prin shear wave DA (optional)
Măsurători pe reluarea video da	Măsurători pe reluarea video DA
Determinarea adâncimii vasului la diferite niveluri da	Determinarea adâncimii vasului la diferite niveluri DA
Sa fie posibila vizualizarea emboliilor (trombelor) da	Sa fie posibila vizualizarea emboliilor (trombelor) DA
Determinarea debitului pulsator cardiac da	Determinarea debitului pulsator cardiac DA
PAN/ZOOM imagine în timp real da	PAN/ZOOM imagine în timp real DA
imagine înghețată da	imagine înghețată DA
STOCARE IMAGINI	STOCARE IMAGINI
Capacitate ≥1 TB	Capacitate - 1 TB tip SSD DA
USB da	USB DA
Cine da	Cine DA
DICOM 3.0 da	DICOM 3.0 DA
Monitor integrat de control touch ≥8"	Monitor integrat de control touch - 10.4" DA
PACHETE DE ANALIZĂ Trascranial da	PACHETE DE ANALIZĂ Trascranial DA
Shear Vawe Elastografie(optional) da	Shear Vawe Elastografie(optional) DA
Vascular da	Vascular DA
Părți mici da	Părți mici DA
Posibilitate de generare araportului da	Posibilitate de generare raportului tip work sheet si raport complet configurabel de catre operator DA
POSIBILITATE LA UPGRADE da	POSIBILITATE LA UPGRADE DA
Butoane configurabile da	Butoane configurabile DA
MONITOR ≥21"	MONITOR -23.8" DA
DIVIZARE MONITOR da	DIVIZARE MONITOR DA
PRINTER INCORPORAT da	PRINTER INCORPORAT DA
Amplasat pe troleu da	Amplasat pe troleu DA
Roți cu frîne da	Roți cu frîne DA
Baterie incorporata Min 3-4 ore utilizare continuu	Baterie incorporata Min 3-4 ore utilizare continuu DA in dependeta de regimul folosit.
Termen de garantie Min 36 luni, pentru echipament	Termen de garantie Min 36 luni, pentru echipament DA
Min 24 luni pentru sonde	Min 24 luni pentru sonde DA
Logistică	Logistică
Livrare Da	Livrare Da
Manual de utilizare Romina	Manual de utilizare Romina DA la livrare
Manual de service Da	Manual de service DA
Instalare testare și dare în exploatare Da	Instalare testare și dare în exploatare DA
Training pentru utilizator Da	Training pentru utilizator DA
Training pentru inginer Da	Training pentru inginer DA
Cerințe față de furnizor	Cerințe față de furnizor
Certificat CE Da	Certificat CE DA

Certificat ISO 13485 Da	Certificat ISO 13485 DA
Reprezentanță oficială Da	Reprezentanță oficială DA
Certificat de training de la producător Da	Certificat de training de la producător DA



EC Declaration of Conformity

Following the provisions of the medical devices directive 93/42/EEC, Annex II and of the directive 2011/65/EU, directive 2012/19/EU, directive 2014/53/EU

Manufacturer:

**GE Ultrasound Korea, Ltd.
9, Sunhwan-ro 214beon-gil,
Jungwon-gu, SEONGNAM-SI,
GYEONGGI-DO Republic of Korea**

EU Authorized Representative:

**GE MEDICAL SYSTEMS SCS
283 RUE DE LA MINIERE
78530 BUC
FRANCE**

Equivalent to

**65-1, Sangdaewon-dong,
Jungwon-gu, SEONGNAM-SI
GYEONGGI-DO 462-120 Republic of Korea**

Additional Manufacturing site

**GE MEDICAL SYSTEMS INFORMATION TECHNOLOGIES
CRITIKON DE MEXICO S.de R.L. de C.V.,
Calle Valle del Cedro 1551,
Juarez 32575 CHIHUAHUA
MEXICO**

*We hereby declare under our sole responsibility that the class **Ila** product:*

LOGIQ P8, LOGIQ P9, LOGIQ P10 General Purpose Ultrasound Imaging System (ref: See Addendum)

GMDN Code: **40761**

UMDNS Code: **15976**

Classification rule (93/42/EC Annex IX): **Rule 10**

To which this declaration relates, is in conformity with the requirements of:

The medical devices directive 93/42/EEC (MDD)

The directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

The directive 2012/19/EU on the waste electrical and electronic equipment (WEEE)

The directive 2014/53/EU on the radio equipment (RED)

This conformity is based on the following elements:

- Information included in the technical documentation ref.: **DOC1587707** /DHF ref.: **DOC1412680**, of the product to which this declaration relates.



- EC certificate: approval of full quality assurance system (Annex II of the medical devices directive 93/42/EEC) delivered by GMED (Notified Body N° 0459) on Certificate Number N° 7697.

- List of harmonized standards applied for CE marking
 - EN 60601-1:2006/A12:2014 (Edition 3.1)
 - EN 60601-1-2:2015
 - EN 60601-1-6:2010/A1:2015
 - EN 60601-2-37: 2008/A1:2015
 - EN 62304:2006/AC: 2008
 - EN 62366:2008 + A1:2015
 - EN 1041:2008
 - EN ISO 15223-1: 2016

Chae-Rin, Song

Song, Chae-Rin
Regulatory Affairs Specialist

Date: 28-Apr-2021

GE Healthcare. GE Ultrasound Korea, Ltd.
9, Sunhwan-ro 214beon-gil, Jungwon-gu, SEONGNAM-SI,
GYEONGGI-DO REPUBLIC OF KOREA


ADDENDUM TO THE EC DECLARATION OF CONFORMITY dated 28-Apr-2021

Product Description	HCAT #	LOGIQ P8	LOGIQ P9	LOGIQ P10	LOGIQ P10 HD
Base Systems					
LOGIQ P8 R4	H43092LH	1	-	-	-
LOGIQ P9 R4	H43092LJ	-	1	-	-
LOGIQ P10 R4	H43092LK	-	-	1	-
LOGIQ P10 R4 HD	H43092LL	-	-	-	1
Probes					
M5Sc-RS Probe	H44901AG	-	-	1	1
C1-6-D Probe	H40472LT	-	1	1	1
C3-10-D Probe	H40482LB	-	-	1	1
C2-7-D Probe	H46422LM	1	1	1	1
10C-D Probe	H46342LA	1	1	1	1
E8C-RS	H40402LN	1	1	1	1
8C-RS	H40402LS	1	1	1	1
12L-RS Probe	H40402LY	1	1	1	1
9L-RS Probe	H40442LL	1	1	1	1
C1-5-RS Probe	H40462LA	1	1	1	1
L8-18i-RS Probe	H40462LF	1	1	1	1
ML6-15-RS Probe	H40462LM	1	1	1	1
BE9CS-RS Probe	H40482LN	1	1	1	1
12S-RS Probe	H44901AB	1	1	1	1
L3-12-RS Probe	H44901AP	1	1	1	1
6S-RS PROBE	H45021RP	1	1	1	1
3Sc-RS Probe	H45041DL	1	1	1	1
6Tc-RS Probe	H45551ZE	1	1	1	1
L3-9i-RS Probe	H46442LK	-	1	1	1
L4-12t-RS Probe	H48062AB	1	1	1	1
L6-12-RS Probe	H48062AC	1	1	1	1
E8Cs-RS Probe	H48062AF	1	1	1	1
P2D Probe	H4830JE	1	1	1	1
P6D Probe	H4830JG	1	1	1	1
Doppler P8D Probe	H46312LZ	1	1	1	1
L10-22-RS	H48312AH	-	1	1	1
RAB2-6-RS Probe	H48681WR	1	1	1	1
IC9-RS Probe	H48691PJ	1	1	1	1
RIC5-9A-RS Probe	H48701EJ	1	1	1	1
Biopsy Options					
3SP Multi-Angle Biopsy	H46222LC	1	1	1	1
M5S Biopsy Kit	H45561FC	-	-	1	1
9L Bio Guide Starter Kit	H4906BK	1	1	1	1



12L-RS Biopsy Starter Kit	H40432LC	1	1	1	1
ML6-15 Biopsy Starter Kit	H40432LJ	1	1	1	1
12L Transverse Bracket	H48392LL	1	1	1	1
Infinite 12L Biopsy Kit	H48392LT	1	1	1	1
L3-12-D Biopsy Kit	H48302AA	1	1	1	1
C1-5 Biopsy Starter Kit	H40432LE	1	1	1	1
C1-6-D Biopsy Starter Kit	H4913BB	-	1	1	1
C2-7 Biopsy Kit	H40482LK	1	1	1	1
C2-7 Biopsy Kit Stainless	H40482LL	1	1	1	1
E721 Starter Kit	E8385MJ	1	1	1	1
E8C E721 E8C-RS IC5-9H MTZ Biopsy Kit	E8333JB	1	1	1	1
E8C Reusable Biopsy Kit	H40412LN	1	1	1	1
BE9CS Biopsy Kit 742-339	H42742LH	1	1	1	1
BE9CS Biopsy Kit 742-401	H42742LJ	1	1	1	1
Reusable Biopsy Needle Guide for GE BE9C Ultrasound Probe	E8387MA	1	1	1	1
Sterile Disposable Biopsy Needle Guide kit for GE BE9C Probe	E8387M	1	1	1	1
IC9-RS Reusable Biopsy Kit	H48701MN	1	1	1	1
IC9 Biopsy Disposable Biopsy Starter Kit	H48691YW	1	1	1	1
RAB6-D Biopsy Starter Kit	H48681ML	1	1	1	1
PEC63 Biopsy Kit for RIC5-9	H46721R	1	1	1	1
RIC5-9A-RS Single Angle Disposable Biopsy Kit	H48681GF	1	1	1	1
TEE PRB Accessory					
ADULT TEE CLIP-ON BITE GUARD	H45511EE	1	1	1	1
ADULT TEE CLIP-ON BITE GUARD OPR.	H45521CB	1	1	1	1
ADULT TEE SCANHEAD PROTECTION COVER	H45521CK	1	1	1	1
ADULT TEE CONVENTIONAL BITE GUARD	H45521JH	1	1	1	1
BITE HOLE INDICATOR	H45531HS	1	1	1	1
TEE PROBES UM EN	H45531RA	1	1	1	1
TEE PROBES UM IT	H45531RD	1	1	1	1
TEE PROBES UM ES	H45531RE	1	1	1	1
TEE PROBES UM PT-PT	H45531RF	1	1	1	1
TEE PROBES UM JA	H45531RG	1	1	1	1



TEE PROBES UM SV	H45531RJ	1	1	1	1
TEE PROBES UM NO	H45531RK	1	1	1	1
TEE PROBES UM DA	H45531RL	1	1	1	1
TEE PROBES UM PL	H45531RM	1	1	1	1
TEE PROBES UM FI	H45531RN	1	1	1	1
TEE PROBES UM EL	H45531RP	1	1	1	1
TEE PROBES UM RU	H45531RQ	1	1	1	1
TEE PROBES UM NL	H45531RR	1	1	1	1
TEE PROBES UM HU	H45531PL	1	1	1	1
TEE PROBES UM SK	H45531PM	1	1	1	1
TEE PROBES UM RO	H45531PN	1	1	1	1
TEE PROBES UM CZ	H45531PP	1	1	1	1
TEE PROBES UM LV	H45531PQ	1	1	1	1
TEE PROBES UM LT	H45531PR	1	1	1	1
TEE PROBES UM TR	H45531PS	1	1	1	1
TEE PROBES UM ET	H45531PT	1	1	1	1
TEE PROBES UM KO	H45531PW	1	1	1	1
TEE PROBES UM SR	H45531ZQ	1	1	1	1
TEE PROBES UM BG	H45531ZR	1	1	1	1
TEE PROBES UM HR	H45531RH	1	1	1	1
TEE PROBES UM ID	H45531CG	1	1	1	1
TEE PROBES UM Port EU	H45531AN	1	1	1	1
TEE PROBES UM Ukrainian	H45531PL	1	1	1	1
TEE PROBES UM SL	H45531PT	1	1	1	1
TEE CLEANING SYSTEM	H45551NK	1	1	1	1
TEE STORAGE RACK	H45551NM	1	1	1	1
Software options					
LP7 and LP9 Advanced 3D	H42782LK	1	1	1	1
LP7 and LP9 Auto IMT	H42782LL	1	1	1	1
LP7 and LP9 DICOM	H42782LR	1	1	1	1
LP7 and LP9 Elastography	H42782LS	1	1	1	1
LP7 and LP9 Elastography Quantification	H42782LT	1	1	1	1
LP7 and LP9 Flow Quantification	H42782LW	1	1	1	1
LP7 and LP9 LOGIQView	H42782LY	1	1	1	1
LP7 and LP9 Report Writer	H42782LZ	1	1	1	1
LP7 and LP9 Scan Assistant	H42792LA	1	1	1	1
LP7 and LP9 Stress Echo	H42792LB	1	1	1	1
LP7 and LP9 Tissue Velocity Imaging TVI	H42792LC	1	1	1	1



LP7 and LP9 B Steer+	H42792LD	1	1	1	1
LP7 and LP9 4D TUI Software	H42792LF	1	1	1	1
LP7 and LP9 VOCAL Software	H42792LG	1	1	1	1
LP7 and LP9 VCI Static Software	H42792LH	1	1	1	1
LP7 and LP9 Auto EF	H42792LJ	1	1	1	1
LP7 and LP9 Meas Assist Breast	H42792LK	1	1	1	1
LP7 and LP9 Meas Assist OB	H42792LL	1	1	1	1
LP7 and LP9 Breast Prod	H42792LM	1	1	1	1
LP7 and LP9 Compare Assistant	H42792LN	1	1	1	1
LP7 and LP9 Thyroid Prod	H42792LP	1	1	1	1
LP7 and LP9 SWDVR	H42792LR	1	1	1	1
SWDVR Basic	H42922LY	1	1	1	1
LP7-P9 R2 Cardiac Strain	H42822LY	1	1	1	1
LP7-P9 STIC	H42822LZ	1	1	1	1
LP7-P9 Omniview	H42832LA	1	1	1	1
LP7-P9 R3 HD B-Flow	H42892LR	1	1	1	1
LP7-P9 R3 CEUS	H42892LS	1	1	1	1
LP7-P9 R3 HRes CEUS	H42892LT	1	1	1	1
LP7-P9 R3 HDLive	H42892LW	1	1	1	1
LP7-P9 R3 ShearWave	H42892LY	1	1	1	1
LOGIQ P Apps without Dongle	H42922LM	1	1	1	1
KOIOS SW for LOGIQ P8 P9 P10 R4	H43122LW	1	1	1	1
LOGIQ E10 KOIOS Install	H4919KI	1	1	1	1
UGAP	H43122LK	1	1	1	1
SonoNT SonoIT	H43122LL	1	1	1	1
Sono AVC for Renal	H43122LR	1	1	1	1
Hepatic Assistant	H43132LR	1	1	1	1
Hardware options					
Pencil Probe CW HW Kit for LOGIQ P8 P9 P10 R4	H43132LM	1	1	1	1
LP7 and LP9 4D Kit	H42802LD	1	1	1	1
LP7-P9 R2 Battery option	H42832LG	1	1	1	1
LP7-P9 UVC S300	H42832LJ	1	1	1	1
LP7-P9 UVC S300 Japan	H42832LK	1	1	1	1
LOGIQ P Apps	H42892LZ	1	1	1	1
LP7-P9 R3 ext battery	H42902LM	1	1	1	1



LP7-P9 R3 R3 ODD Option	H42912LE	1	1	1	1
Pwr supply noise filter	H46162LH	1	1	1	1
LP7 P9 CW HW Kit	H46432LN	1	1	1	1
USB FOOTSWITCH 3 BUTTON	H46732LF	1	1	1	1
ISOLATION TRANSFORMER	H48671WN	1	1	1	1
USB barcode reader	H43132LZ	1	1	1	1
Ethernet Protection Cable	H43272LJ	1	1	1	1
ECG options					
ECG Module Option Kit for LOGIQ P8 P9 P10 R4	H43122LZ	1	1	1	1
ECG CABLE - AHA STYLE	H4910EC	1	1	1	1
ECG CABLES IEC STYLE	H4911JC	1	1	1	1
ME Option					
LP7 AND LP9 PAPER TRAY	H42802LE	1	1	1	1
LP7 AND LP9 OPIO TRAY	H42802LG	1	1	1	1
LP7-P9 R3 Rear handle	H42902LC	1	1	1	1
LP7-P9 R3 Cable Hook rear	H42902LD	1	1	1	1
LP7-P9 R3 Gel Warmer	H42902LE	1	1	1	1
LP7-P9 R3 High Cabinet	H42902LG	1	1	1	1
LP7-P9 R3 Drawer	H42902LH	1	1	1	1
LP7-P9 R3 Low Cabinet	H42902LJ	1	1	1	1
LP7-P9 R3 Multi P. holder	H42902LK	1	1	1	1
PROBE CABLE HANGER	H44412LA	1	1	1	1
LOGIQ S7 R3 Small Probe Holder	H46302LB	1	1	1	1
Peripherals					
Printers					
UP-D25MD PRINTER	H44642LW	1	1	1	1
BW Printer Installation Kit for LOGIQ P8 P9 P10 R4	H43132LN	1	1	1	1
UP-D898 BW Printer Kit	H46992LS	1	1	1	1
Wireless LAN					
LP7 P9 W. LESS LAN KIT	H42802LL	1	1	1	1
Power Cords					
Power Cord 220V EU	H46342LZ	1	1	1	1
PWR CORD DK HSP C13 RED	H46712LT	1	1	1	1
PWR CORD DK STD C13 GRY	H46692LK	1	1	1	1



Destination Sets					
LP7-P9 Destination set JAPAN	H40392LA	1	1	1	1
DESTINATION SET TAIWAN	H44512LY	1	1	1	1
DESTINATION SET UK	H46712LM	1	1	1	1
DESTINATION SET S AFRICA	H46712LN	1	1	1	1
DESTINATION SET ARGENTINA	H46712LP	1	1	1	1
DESTINATION SET ISRAEL	H46712LR	1	1	1	1
DESTINATION SET SWISS	H46712LS	1	1	1	1
DESTINATION SET US	H46712LW	1	1	1	1
DESTINATION KIT AUS_NZ	H46712LZ	1	1	1	1
DESTINATION SET CHINA	H46722LA	1	1	1	1
DESTINATION SET INDIA	H46722LB	1	1	1	1
DESTINATION SET ITALY	H46722LD	1	1	1	1
DESTINATION SET BRAZIL	H46752LW	1	1	1	1
Keyboards and Key Cap Language Kits					
AN Keyb. Greek black	H42902LR	1	1	1	1
AN Keyb. Norwegian black	H42902LS	1	1	1	1
AN Keyb. Russian black	H42902LT	1	1	1	1
AN Keyb. French black	H42902LW	1	1	1	1
AN Keyb. Swedish black	H42902LY	1	1	1	1
AN Keyb. German black	H42902LZ	1	1	1	1
AN Keyb. English black	H42912LA	1	1	1	1
Upgrade kit					
LP9 R3 to R4 SW conversion	H43092LM	-	1	-	-
Veterinary Use Only					
Vet kit	H46832LC	1	1	1	1
Vet probe caution label	H48492AW	1	1	1	1

Notes:

[1] Catalog number identifies the device(s) in the manufacturer's catalog and is usually included on commercial documents like sales contract, order processing documents and shipping documents.

[2] Probes and accessories may carry the CE-mark and when applicable, the Notified Body number corresponding to the EC Declaration under which the products are CE-marked by their manufacturer. GE Ultrasound Korea Ltd. has verified the mutual compatibility of the devices in combination with LOGIQ P10, LOGIQ P9, LOGIQ P8 and included relevant information to users with the LOGIQ P10, LOGIQ P9 and LOGIQ P8 instructions for use.

End of Document

LOGIQ P9

MAKE IT EASY. MAKE IT YOUR OWN

Product description

The LOGIQ™ P9 is a workhorse for the demanding physician. Its flagship imaging engine is the foundation for finding the root of the patient's problem, even in difficult patients. Buttons on the transducer turn three-handed procedures into two-handed procedures, giving the physician more control. It all adds up to a system that's walk-up easy-to-use on day one and for the most challenging procedures.



General Specification

Dimensions and Weight

Height	Articulating monitor arm 1,345mm~1,595mm (53.0 in ~ 62.8 in)
Width	Keyboard: 430 mm (16.9 in) Foot cover: 495 mm (19.5 in) Monitor: 545mm [23.8inch Bezel-less LCD]
Depth	Foot cover: 685 mm (27.0 in) Rear handle: 740 mm (29.1 in)
Weight (max. load)	83 kg/183 lbs
Weight (min. load)	67 kg/148 lbs

Electrical Power

Voltage	100 – 240 Vac
Frequency	50/60 Hz
Power consumption	maximum of 500 VA with peripherals

Console design

4 active probe ports (3 x RS and 1 x DLP)
Integrated Solid State Drive
Integrated DVD multi-drive (option)
On board storage for BW printer
Integrated speakers
Probe holders
Front handle
Gel warmer (option)
Rear handle (option)
Probe light

User Interface

Operator Keyboard

Ergonomic full size keyboard
Swivel-adjustable, height-adjustable
Digital TGC and digital A/N keyboard
Physical A/N keyboard (option)
10.4" LCD touch screen

Monitor

23.8inch Bezel-less LCD LED backlight monitor

System Overview

Applications

Abdominal
Obstetrical
Gynecological
Breast
Small parts
Musculoskeletal
Vascular

Urological
Pediatric & Neonatal
Intraoperative ⁴
Cardiac
Transcranial
Endocavitary (transvaginal, transrectal)
Transesophageal

Scanning Methods

Electronic sector
Electronic convex
Electronic micro convex
Electronic linear
Real-time 4D volume sweep

Transducer Types

Sector phased array
Convex array
Microconvex array
Linear array
Matrix array
Single CW (pencil) probes
Volume probes (4D)

Operating Modes

B-Mode
Coded Harmonic Imaging
M-Mode
Color Flow Mode (CFM)
Power Doppler Imaging (PDI)
PW Doppler with high PRF
M-Color Flow Mode
Anatomical M-Mode
Curved Anatomical M-Mode
B-Flow™/B-Flow Color (option)
Extended Field of View (LOGIQView option)
Coded Contrast Imaging ² (option)
CW Doppler Mode (option)
TVI Mode (option)
Strain Elastography (option)
Shear Wave Elastography (option)
3D/4D Volume Modes (option)
HDlive™ (option)
Offline Scanning Mode (option)
B-Steer + (option)
UGAP (option)

System Standard Features

Advanced User Interface with High Resolution
10.4" wide LCD Touch Screen
Automatic Optimization
CrossXBeam™ Compounding
Speckle Reduction Imaging (SRI-HD)
Fine Angle Steering
Coded Harmonic Imaging

Virtual Convex
 Patient Information Database
 Image Archive on Integrated CD/DVD (option) and SSD
 Raw Data Analysis
 Real-time Automatic Doppler Calculations
 OB Calculations
 Fetal Trending
 Email to MMS
 MyTrainer+
 Privacy and Security
 Qpath
 Tricefy
 Multigestational Touch Control
 InSite™ Capability
 IOTA (International Ovarian Tumor Analysis) LR2 worksheet⁴
 Vnav Import
 Doppler Assistant
 MyPreset
 SonoRenderLive

System Options

Auto IMT
 Advanced 3D
 Cable hook rear
 Card reader mounting kit
 Strain Elastography
 Elastography Quantification³
 DICOM (DICOM® 3.0 Connectivity)
 LOGIQView
 B-Flow/B-Flow Color
 CF/PDI Quantification (FlowQA)
 Breast Productivity Package
 Thyroid Productivity Package
 Measure Assist OB
 AutoEF
 B Steer+
 Stress Echo
 Tissue Velocity Imaging (TVI) with Q-Analysis
 Scan Assistant
 Compare Assistant
 Report Writer
 Cardiac Strain
 STIC
 OmniView
 Shear Wave Elastography⁴
 LOGIQ P Apps
 HDlive™
 Coded Contrast (CEUS)
 HRES CEUS
 Koios Breast Lesion Decision Support⁴
 Koios Thyroid Lesion Decision Support⁴
 Hepatic Assistant⁴
 Digital Expert⁴
 UGAP
 Software DVR Basic

Software DVR
 SonoAVC
 SonoNT/SonoIT
 Start Assistant

Peripheral Options

Integrated options for

- Digital BW thermal printer
- HDMI output available for compatible devices
- S-Video output available for compatible devices
- Wireless LAN card for wireless data transfer
- External USB printer connection
- Power Assistant (battery or extended battery option) for offline scanning

Digital color thermal printer
 Foot switch with programmable functionality
 Universal video converter
 Barcode reader⁴
 LOGIQ P Apps (Bluetooth)
 Ethernet protection cable⁴

Display Modes

Live and stored display format: full size and split screen – both with “thumbnails” for still and Cine
 Review image format: 4x4 and “thumbnails” for still and Cine
 Simultaneous capability
 B or CrossXBeam/PW
 B or CrossXBeam/CFM or PDI
 B/M
 B/CrossXBeam
 Real-time Triplex Mode (B or CrossXBeam + CFM or PDI/PW or CW (option))
 Selectable Alternating Modes
 B or CrossXBeam/PW
 B or CrossXBeam + CFM (PDI)/PW(CW (option))
 B/CW (option)
 Multi-image (split/quad screen)
 Live and/or frozen
 B or CrossXBeam + B or CrossXBeam/CFM or PDI
 Independent Cine playback
 Timeline display
 Independent dual B or CrossXBeam/PW display
 CW
 Display formats

- Top/bottom selectable format
- Side/side selectable format

Virtual convex
 Timeline only

Display Annotation

Patient Name: first, last and middle	
Patient ID	
Alternate patient ID	
Age, sex and birth date	
Hospital name	
Date format:	• MM/DD/YY
3 types selectable	• DD/MM/YY
	• YY/MM/DD
Time format:	• 24 hours
2 types selectable	• 12 hours
Gestational age from	• LMP
	• GA
	• EDD
	• BBT
Displayed acoustic output	• TIS: Thermal Index Soft Tissue
	• TIC: Thermal Index Cranial (Bone)
	• TIB: Thermal Index Bone
	• MI: Mechanical Index
% of maximum power output	
Probe name	
Map names	
Probe orientation	
Depth scale marker	
Lateral scale marker	
Focal zone markers	
Image depth	
Zoom depth	
B-Mode	
Gain	
Dynamic range	
Imaging frequency	
Frame averaging	
Acoustic frame rate	
Gray map	
SRI-HD	
M-Mode	
Gain	
Dynamic range	
Time scale	
Doppler mode	
Gain	
Angle	
Sample volume depth and width	
Wall filter	
Velocity and/or frequency scale	
Spectrum inversion	
Time scale	
PRF	
Doppler frequency	
Color Flow Mode	
Line density	
Frame averaging	
Packet size	

Color scale: 3 types	• Power
	• Directional PDI
	• Symmetrical velocity imaging

Color velocity range and baseline
Color threshold marker
Color gain
PDI
Inversion
Doppler frequency
TGC curve
Cine gage, image number/frame number
Body pattern: multiple human and animal types
Application name
Measurement results
Operator message
Biopsy guide line and zone
Heart rate

General System Parameters

System Setup

Pre-programmable categories
User programmable preset capability
Factory default preset data
Languages: English, French, German, Spanish, Italian, Portuguese, Russian, Greek, Swedish, Danish, Dutch, Finnish, Norwegian, Japanese (message only), Chinese (message only)
OB report formats including Tokyo Univ., Osaka Univ., USA, Europe, and ASUM
User defined annotations
Body patterns
Customized comment home position
Reset

Complete User Manual Available On-Board Through Help (F1)

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

CINE Memory/Image Memory

776 MB of Cine memory
Selectable cine sequence for Cine review
Prospective Cine mark
Measurements/calculations and annotations on Cine playback
Scrolling timeline memory
Dual image Cine display
Quad image Cine display
Cine gauge and Cine image number display
Cine review loop
Cine review speed

Image Storage

On-board database of patient information from past exams

Storage formats:

- DICOM – compressed/uncompressed, single/multiframe, with/without raw data
- Export JPEG, JPEG2000, WMV, MPEG 4 and AVI formats

Storage devices:

- USB memory Stick: 64 MB to 4 GB (for exporting individual images/clips)
- CD-R storage: 700 MB
- DVD storage: -R (4.7 GB)
- Solid state drive image storage: ~345GB

Compare old images with current exam

Reload of archived data sets

Connectivity & DICOM

Ethernet network connection

DICOM 3.0 (option)

Wireless LAN⁴ (option)

Verify

Print

Store

Modality worklist

Storage commitment

Modality Performed Procedure Step (MPPS)

Media exchange

Off network/mobile storage queue

Query/retrieve

Public SR template

- Structured reporting – compatible with vascular and OB standard
- Direct export DICOM SR and XML

Remote capability InSite™ ExC

DICOM directory import

LOGIQ P Apps (Option)

Physiological Input Panel (Option)

Physiological input

ECG, 2 lead

Dual R-Trigger

Pre-settable ECG R delay time

Pre-settable ECG position

Adjustable ECG gain control

Automatic heart rate display

Report Writer (Option)

On-board reporting package automates report writing

Formats various exam results into a report suitable for printing or reviewing on a standard PC

Exam result reports can include patient info, exam info, measurements, calculations, images, comments and physician diagnosis

Standard templates provided

Customizable templates

Thyroid reporting template

Scanning Parameters

Displayed imaging depth: 0 – 48 cm

Minimum depth of field: 0 – 1 cm (zoom) (probe dependent)

Maximum depth of field: 0 – 48 cm (probe dependent)

Continuous dynamic receive focus/continuous dynamic

Receive aperture

Adjustable dynamic range

Adjustable Field of View (FOV)

Image reverse: right/left

Image rotation of 0°, 90°, 180°, 270°

Digital B-Mode

Adjustable:

- Acoustic power
- Gain
- Dynamic range
- Frame averaging
- Gray scale map
- Frequency
- Line density
- Scanning size (FOV or angle – depending on the probe, see probe specifications)
- B colorization
- Reject
- Suppression
- SRI-HD
- Edge enhance

Digital M-Mode

Adjustable:

- Acoustic power
- Gain
- Dynamic range
- Gray scale map
- Frequency
- Sweep speed
- M colorization
- M display format
- Rejection

Anatomical M-Mode

M-Mode cursor adjustable at any plane

Can be activated from a Cine loop from a live or stored image

M and A capability

Available with Color Flow Mode

Curved Anatomical M-Mode

Digital Spectral Doppler Mode

Adjustable:

- 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

Digital Color Flow Mode

Adjustable:

- 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
- Accumulation mode
- Sample volume control
- Flash suppression
- Quantification (option)

Digital Power Doppler Imaging

Adjustable:

- Acoustic power
- Color maps including velocity-variance maps
- Gain
- Velocity scale range
- Wall filter
- Packet size
- Line density
- Spatial filter
- Steering angle
- Frame average
- Threshold
- Accumulation mode
- Sample volume control
- Flash suppression

Continuous Wave Doppler (Option)

Adjustable:

- 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

Available on 3Sc-RS, 6S-RS, 12S-RS, 6Tc-RS, P2D, P6D and P8D probes

Automatic Optimization

Optimize B-Mode image to improve contrast resolution

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

Auto TGC

Auto-spectral optimize adjusts

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

Coded Harmonic Imaging

Available on all 2D probes and 4D probes

B-Flow/B-Flow Color (Option)

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

Background: on/off

Sensitivity/PRI

Line density

Edge enhance

Frame average

Gray scale map

Tint map

Dynamic range

Rejection

Gain

Hybrid B-Flow

- Supported on C1-5-RS, 12L-RS, 9L-RS, ML6-15-RS, L4-12t-RS, L3-12-RS, C1-6-D, C2-7-D and 10C-D probes

	<ul style="list-style-type: none"> • B & B-Flow simultaneous dual display • B & B-Flow overlay display
B-Flow Color (BFC)	
B-Flow High Definition Color (HD Color)	Supported on C1-5-RS, 12L-RS, ML6-15-RS, L4-12t-RS, L3-12-RS and C1-6-D probes

Accumulation

Coded Contrast Imaging (Option)

Available on C1-5-RS, 3Sc-RS, IC9-RS, BE9CS-RS, 9L-RS, C1-6-D and C2-7-D probes

2 contrast timers

Timed updates: 0.05 – 10 seconds

Accumulation mode, six levels

Maximum Enhance Mode

Flash

Time Intensity Curve (TIC) Analysis

Auto MI control

The LOGIQ P9 is designed for compatibility with commercially available ultrasound contrast agents. Because the availability of these agents is subject to government regulation and approval, product features intended for use with these agents may not be commercially marketed nor made available before the contrast agent is cleared for use. Contrast related product features are enabled only on systems for delivery to an authorized country or region of use

LOGIQ View (Option)

Extended Field of View imaging

Available on C1-5-RS, 8C-RS, L6-12-RS, 12L-RS, 9L-RS, ML6-15-RS, L8-18i-RS, L4-12t-RS, L10-22-RS, L3-9i-RS, L3-12-RS, E8C-RS, E8CS-RS, IC9-RS, BE9CS-RS, RIC5-9A, 6Tc-RS, RAB2-6-RS, 3SC-RS, 6S-RS, 12S-RS, C1-6-D, C2-7-D and 10C-D probes

For use in B-Mode

CrossXBeam is available on linear probes

Auto detection of scan direction

Pre or post-process zoom

Rotation

Auto fit on monitor

Measurements in B-Mode

3D

Allows unlimited rotation and planar translations

3D reconstruction from Cine sweep

Advanced 3D (Option)

Acquisition of color data

Automatic rendering

3D landscape technology

3D movie

Real-time 4D (Option)

Acquisition modes

- Real-time 4D
- Static 3D

Visualization modes

- 3D rendering (diverse surface and intensity projection modes)
- Sectional planes (three section planes perpendicular to each other)
- Volume contrast imaging-static (option)
- Tomographic ultrasound imaging (option)

Render mode

Surface texture, surface smooth, max-, min- and X-ray (average intensity projection), mix mode of two render modes

Curved 3 point render start

3D movie

Scalpel: 3D cut tool

Display format

- Quad: A-/B-/C-Plane/3D
- Dual: A-Plane/3D
- Single: 3D or A- or B- or C-Plane

Automated Volume Calculation - VOCAL II (option)

Betaview

Auto sweep

STIC (option)

HDlive™ (option)

VCI Static (option)

Omniview (option)

VCI OmniView

Scan Assistant (Option)

Factory programs

User defined programs

Steps include image annotations, mode transitions, basic

imaging controls and measurement initiation

Shear Wave Elastography (Option)

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

User programmable measurement display in kPa and meters per sec

Single and dual view display

B Steer+ (Option)

Available on C1-5-RS, 8C-RS, L6-12-RS, 12L-RS, 9L-RS, ML6-15-RS, L4-12t-RS, L3-12-RS, RAB2-6-RS, C1-6-D, C2-7-D and 10C-D probes

Strain Elastography (Option)

Available on C1-5-RS, L6-12-RS, 12L-RS, ML6-15-RS, L4-12t-RS, L3-12-RS, IC9-RS, E8CS-RS, BE9CS-RS, 9L-RS and C1-6-D probes
Semi-Quantification³

TVI (Option)

Myocardial doppler imaging with color overlay on tissue image

Available on the sector probes

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

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

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

Stress Echo (Option)

Advanced and flexible Stress Echo examination capabilities

Provides exercise and pharmacological protocol templates

8 default templates

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

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

Baseline level/previous level selectable

Raw data continuous capture

Over 100 sec. available

Wall motion scoring (bulls-eye and segmental)

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

Compare Assistant (Option)

Allows side-by-side comparison of previous ultrasound and other modality exams during live scanning

Power Assistant (Option)

Allows moving the system without a complete system shutdown and boot-up power cycle

Extended battery for off line scanning (option) provides battery powered live scanning

Breast Productivity Package (Option)

Worksheet summary includes measurements and locations for nodule, parathyroid and lymph node

Feature assessment

BI-RADS® assessment

User editable

Thyroid Productivity Package (Option)

Worksheet summary includes measurements and locations for nodule, parathyroid and lymph node

Feature assessment

User editable

Auto EF (Option)

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

User editable

Cardiac Strain (Cardiac AFI) (Option)

Allows assessing the left ventricle with all segments at a glance by combining three longitudinal views into one comprehensive bulls-eye view

2D strain based data moves into clinical practice

Virtual Convex

Provides a convex Field of View

Compatible with CrossXBeam

Available on all linear and sector transducers

SRI-HD

Speckle Reduction Imaging

Provides multiple levels of speckle reduction

Compatible with side-by-side DualView display

Compatible with all linear, convex and sector transducers

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

CrossXBeam

Provides 3, 5, 7 or 9 angles of spatial compounding
Live side-by-side DualView display

Compatible with:

- Color Mode
- PW
- SRI-HD
- Coded harmonic imaging
- Virtual convex

Available on C1-5-RS, 8C-RS, L6-12-RS, 12L-RS, 9L-RS, ML6-15-RS, L8-18i-RS, L4-12t-RS, L10-22-RS, L3-9i-RS, L3-12-RS, E8C-RS, E8CS-RS, BE9CS-RS, IC9-RS, RIC5-9A-RS, RAB2-6-RS, C1-6-D, C2-7-D and 10C-D probes

Controls Available While "Live"

Write zoom
 B/M/CrossXBeam Mode
 Gain
 TGC
 Dynamic range
 Acoustic output
 Transmission focus position
 Transmission focus number
 Line density control
 Sweep speed for M-Mode
 Number of angles for CrossXBeam
 PW-Mode
 Gain
 Dynamic range
 Acoustic output
 Transmission frequency
 PRF
 Wall filter
 Spectral averaging
 Sample volume gate

- Length
- Depth

 Velocity scale
 Color Flow Mode
 CFM gain
 CFM velocity range
 Acoustic output
 Wall echo filter
 Packet size
 Frame rate control
 CFM spatial filter
 CFM frame averaging
 CFM line resolution
 Frequency/velocity baseline shift

Controls Available on "Freeze" or Recall

Automatic optimization
 SRI-HD
 CrossXBeam – display non-compounded and compounded image simultaneously in split screen
 3D reconstruction from a stored Cine loop
 B/M/CrossXBeam Mode
 Gray map optimization
 TGC
 Colorized B and M
 Frame average (loops only)
 Dynamic range: Anatomical M-Mode
 Max Read Zoom to 20x: baseline shift
 Sweep speed
 PW Mode
 Gray map
 Post gain
 Baseline shift
 Sweep speed
 Invert spectral wave form
 Compression
 Rejection

Colorized spectrum
 Display format
 Doppler audio
 Angle correct
 Quick angle correct
 Auto angle correct
 Color flow
 Overall gain (loops and stills)
 Color map
 Transparency map
 Frame averaging (loops only)
 Flash suppression
 CFM display threshold
 Spectral invert for Color/Doppler
 Anatomical M-Mode on Cine loop

Measurements/Calculations

General B-Mode

Depth and distance
 Circumference (ellipse/trace)
 Area (ellipse/trace)
 Volume (ellipsoid)
 % Stenosis (area or diameter)
 Angle between two lines

General M-Mode

M-Depth
 Distance
 Time
 Slope
 Heart rate

General Doppler Measurements/Calculations

Velocity
 Time
 A/B ratio (velocities/frequency ratio)
 PS (Peak Systole)
 ED (End Diastole)
 PS/ED (PS/ED ratio)
 ED/PS (ED/PS ratio)
 AT (Acceleration Time)
 ACCEL (Acceleration)
 TAMAX (Time Averaged Maximum Velocity)
 Volume Flow (TAMEAN and vessel area)
 Heart rate
 PI (Pulsatility Index)
 RI (Resistivity Index)

Real-time Doppler Auto Measurements/Calculations

PS (Peak Systole)
 ED (End Diastole)
 MD (Minimum Diastole)
 PI (Pulsatility Index)
 RI (Resistivity Index)
 AT (Acceleration Time)

ACC (Acceleration)
 PS/ED (PS/ED ratio)
 ED/PS (ED/PS ratio)
 HR (Heart Rate)
 TAMAX (Time Averaged Maximum Velocity)
 PVAL (Peak Velocity Value)
 Volume Flow (TAMEAN and vessel area)

OB Measurements/Calculations

Gestational age by:

- GS (Gestational Sac)
- CRL (Crown Rump Length)
- FL (Femur Length)
- BPD (Biparietal Diameter)
- AC (Abdominal Circumference)
- HC (Head Circumference)
- APTD x TTD (Anterior/Posterior Trunk Diameter by Transverse Trunk Diameter)
- FTA (Fetal Trunk cross-sectional Area)
- BD (Binocular Distance)
- HL (Humerus Length)
- FT (Foot Length)
- OFD (Occipital Frontal Diameter)
- TAD (Transverse Abdominal Diameter)
- TCD (Transverse Cerebellum Diameter)
- THD (Thorax Transverse Diameter)
- TIB (Tibia Length)
- ULNA (ULna Length)

Estimated fetal weight (EFW) by:

- AC, BPD
- AC, BPD, FL
- AC, BPD, FL, HC
- AC, FL
- AC, FL, HC
- AC, HC
- BPD, APTD, TTD, FL
- BPD, APTD, TTD, SL

Calculations and ratios

- FL/BPD
- FL/AC
- FL/HC
- HC/AC
- CI (Cephalic Index)
- AFI (Amniotic Fluid Index)
- CTAR (Cardio-Thoracic Area Ratio)
- MCA PS(Middle

Cerebral Artery Peak Systolic Velocity)
 • MCA CP(Middle Cerebral Artery Pulsatility Index Over Umbilical Artery Pulsatility Index Ratio)
 • MCA PI(Middle Cerebral PI)
 • MCA RI(Middle Cerebral RI)
 • UmbArt PI(Umbilical artery PI)
 • UmbArt RI(Umbilical artery RI)
 • UtArt PI(Uterine artery PI)
 • UtArt RI(Uterine artery RI)

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

Fetal graphical trending
 Growth percentiles
 Multi-gestational calculations (4)
 Fetal qualitative description (anatomical survey)
 Fetal environmental description (biophysical profile)
 Programmable OB tables
 Over 20 selectable OB calculations
 Expanded worksheets

GYN Measurements/Calculations

Right ovary length, width, height
 Left ovary length, width, height
 Uterus length, width, height
 Cervix length, trace
 Ovarian volume
 ENDO (Endometrial Thickness)
 Ovarian RI
 Uterine RI
 Follicular measurements
 Summary reports
 IOTA (International Ovarian Tumor Analysis) LR2 worksheet⁴

Vascular Measurements/Calculations

SYS DCCA (Systolic Distal Common Carotid Artery)
 DIAS DCCA (Diastolic Distal Common Carotid Artery)
 SYS MCCA (Systolic Mid Common Carotid Artery)
 DIAS MCCA (Diastolic Mid Common Carotid Artery)
 SYS PCCA (Systolic Proximal Common Carotid Artery)

DIAS PCCA (Diastolic Proximal Common Carotid Artery)
 SYS DICA (Systolic Distal Internal Carotid Artery)
 DIAS DICA (Systolic Distal Internal Carotid Artery)
 SYS MICA (Systolic Mid Internal Carotid Artery)
 DIAS MICA (Diastolic Mid Internal Carotid Artery)
 SYS PICA (Systolic Proximal Internal Carotid Artery)
 DIAS PICA (Diastolic Proximal Internal Carotid Artery)
 SYS DECA (Systolic Distal External Carotid Artery)
 DIAS DECA (Diastolic Distal External Carotid Artery)
 SYS PECA (Systolic Proximal External Carotid Artery)
 DIAS PECA (Diastolic Proximal External Carotid Artery)
 VERT (Systolic Vertebral Velocity)
 SUBCLAV (Systolic Subclavian Velocity)
 Automatic IMT
 Summary Report

Urological Calculations

Bladder volume
 Prostate volume
 Left/right renal volume
 Generic volume
 Post-void bladder volume

Probes

LOGIQ P9

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

C1-5-RS

Convex probe	
Applications	Abdomen (incl. Pleural), Vascular (No transcranial), OB/GYN, Urology
Biopsy guide	Multi-angle, disposable with a reusable bracket (H40432LE)

8C -RS

Micro convex probe	
Applications	Pediatrics, Neonatal
Biopsy guide	N/A

E8C-RS

Endocavitary micro convex probe	
Applications	OB/GYN (Transvaginal), Urology (Transrectal)

Biopsy guide	Single-angle, disposable with a disposable bracket (E8385MJ, E8333JB), single-angle, reusable bracket (H40412LN)
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E8CS-RS

Endocavitary micro convex probe	
Applications	OB/GYN (Transvaginal), Urology (Transrectal)
Biopsy guide	Single-angle, disposable with a disposable bracket (E8385MJ, E8333JB), single-angle, reusable bracket (H40412LN)

IC9-RS

Endocavitary micro convex probe	
Applications	OB/GYN, Urology (Transvaginal, Transrectal)
Biopsy guide	Single-angle, disposable with a disposable bracket (H48691YW), single-angle, reusable bracket (H48701MN)

BE9CS-RS

Endocavitary micro convex probe	
Applications	Urology (Transrectal)
Biopsy guide	Single-angle, disposable with a disposable bracket (E8387M, H42742LH, H42742LJ), single-angle, reusable bracket (E8387MA)

ML6-15-RS

Matrix array linear probe	
Applications	Small Parts, Vascular Vascular (No transcranial), Pediatric, Neonatal, Musculoskeletal
Biopsy guide	Multi-angle, disposable with a reusable bracket (H40432LJ)

L3-12-RS

Linear probe	
Applications	Abdomen (incl. Pleural), Vascular (No transcranial), Small Parts,

	Pediatric, Neonatal, Breast
Biopsy guide	Multi-Angle, disposable with a reusable bracket (H48302AA)

L4-12t-RS

Linear probe	
Applications	Abdomen (incl. Pleural), Small Parts, Vascular (No transcranial), Pediatric, Neonatal, Musculoskeletal, Breast
Biopsy guide	Multi-angle, disposable with a reusable bracket (H40432LC) single-angle, disposable with a reusable bracket (H48392LT: free hand, H48392LL: transverse)

12L-RS

Linear probe	
Applications	Small Parts, Vascular (No transcranial), Pediatric, Neonatal, Musculoskeletal
Biopsy guide	Multi-angle, disposable with a reusable bracket (H40432LC)

L6-12-RS

Linear probe	
Applications	Abdomen (incl. Pleural), Vascular (No transcranial), Small Parts, Pediatric, Neonatal
Biopsy guide	Multi-angle, disposable with a reusable bracket (H40432LC)

9L-RS

Linear probe	
Applications	Abdomen (incl. Pleural), Small Parts, Vascular (No transcranial), Pediatric
Biopsy guide	Multi-angle, disposable with a reusable bracket (H4906BK)

L10-22-RS

Linear probe	
Applications	Small Parts, Musculoskeletal, Neonatal
Biopsy guide	N/A

L8-18i-RS

Linear probe	
Applications	Small Parts, Vascular (No transcranial), Neonatal, Pediatrics, Intraoperative ⁴ , Musculoskeletal, Peripheral Vascular
Biopsy guide	N/A

3Sc-RS

Phased array sector probe	
Applications	Cardiac, Abdomen (incl. Pleural), Transcranial
Biopsy guide	Multi-angle, disposable with a reusable bracket (H46222LC)

6S -RS

Phased array sector probe	
Applications	Cardiac, Pediatrics, Neonatal
Biopsy guide	N/A

12S -RS

Phased array sector probe	
Applications	Pediatrics, Neonatal
Biopsy guide	N/A

RAB2-6-RS

Convex volume probe	
Applications	Abdomen, OB/GYN, Urology
Biopsy guide	Multi-angle, disposable with reusable bracket (H48681ML)

RIC5-9A-RS

Endocavitary micro convex volume probe	
Applications	OB/GYN (Transvaginal), Urology (Transrectal)
Biopsy guide	Single-angle, disposable with a disposable bracket (H48681GF), single-angle, reusable bracket (H46721R)

P8D

CW split crystal probe	
Applications	Cardiac, Vascular (No transcranial)

P6D

CW split crystal probe	
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Applications	Cardiac, Vascular (No transcranial)
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P2D

CW split crystal probe	
Applications	Cardiac, Vascular (No transcranial)

L3-9i-RS

Linear probe	
Applications	Small Parts, Vascular, Musculoskeletal, Intraoperative ⁴
Biopsy guide	N/A

6Tc-RS

TEE Sector (Trans-esophageal) Probe	
Applications	Cardiac (Transesophageal)
Biopsy guide	N/A

C1-6-D

Convex probe	
Applications	Abdomen (incl. Pleural), Vascular (No transcranial), OB/GYN, Urology
Biopsy guide	Multi-angle, disposable with a reusable bracket (H4913BB)

C2-7-D

Convex probe	
Applications	Abdomen (incl. Pleural)
Biopsy guide	Multi Angle, disposable with a reusable bracket (H40482LK), Multi Angle, reusable bracket (H404822LL)

10C-D

Micro Convex probe	
Applications	Pediatric, Neonatal, Vascular (No transcranial)
Biopsy guide	N/A

Inputs and Outputs

HDMI out	
Ethernet network (RJ45)	
S-video out	
Composite video out	
USB (2x in front (USB 3.0), 3x in rear)	
AC power input	

Safety Conformance

The LOGIQ P9 is:

Conforms to the following standards for safety:
 Classified to ANSI/AAMI ES60601-1 2005 R1 2012 Medical Electrical Equipment, Part 1: General Requirements for Safety by a Nationally Recognized Test Lab
 Certified to CSA CAN/CSA-C22.2 NO. 60601-1 :14 General requirements for safety
 CE Marked to Council Directive 93/42/EEC on Medical Devices

- IEC/EN 60601-1 3.1 Edition. Medical electrical equipment – Part 1: General requirements for basic safety and essential performance
- IEC/EN 60601-1-2 Medical 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 60601-2-37 Medical electrical equipment – Part 2-37: Particular requirements for the safety of ultrasonic medical diagnostic and monitoring equipment
- IEC 61157 (Standard means for the reporting of the acoustic output of medical diagnostic ultrasonic equipment)
- IEC/EN 62366 Application of usability engineering to medical devices
- IEC/EN 62304 Software Life Cycle Processes
- IEC/EN 62359 Ultrasonic - Field characterization - Test methods for the determination of thermal and mechanical indices related to medical diagnostic ultrasonic fields
- EN ISO 15223-1: Symbols to be used with medical device labels, labelling and information to be supplied
- ISO 10993-1 Biological evaluation of medical devices – Part 1 Evaluation and testing
- ISO14971:2012(Medical devices - Application of risk management to medical devices)
- EMC Emissions Group 1, class A, Class B device requirements as per Sub clause 4.2 of CISPR 11
- WEEE (Waste Electrical and Electronic Equipment)
- ROHS according to 2011/65/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).

1. The LOGIQ P10 is a highly mobile and easy to use, performance multi-purpose color doppler imaging system, designed for Abdominal, Small Parts, Musculoskeletal, Breast, Vascular, Cardiology, Transcranial, Urology, Pediatric, Neonatal, Obstetrics Transesophageal and Gynecology applications.
2. Contrast Enhanced Ultrasound is available in the U.S. for characterization of focal liver lesions and left ventricle opacity only.
3. Elastography with semi-Quantification (Elastography Quantification) described in this material has not been cleared by the U.S. FDA and is not available for promotion or sale in the United States.
4. Available on region regulatory clearance

Imagination at work

Product may not be available in all countries and regions. Full product technical specification is available upon request. Contact a GE Healthcare Representative for more information. Please visit www.gehealthcare.com/promotional-locations

Data subject to change.

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ATTESTATION CE / EC CERTIFICATE

Approbation du Système Complet d'assurance Qualité/ Approval of full Quality Assurance System

ANNEXE II excluant le point 4 Directive 93/42/CEE relative aux dispositifs médicaux

ANNEX II excluding section 4 Directive 93/42/EEC concerning medical devices

Pour les dispositifs de classe III, un certificat CE de conception est requis

For class III devices, a EC design certificate is required

Fabricant / Manufacturer

GE ULTRASOUND KOREA, Ltd.

9, Sunhwan-ro 214beon-gil, Jungwon-gu,

SEONGNAM-SI, GYEONGGI-DO, REPUBLIC OF KOREA

Catégorie du(des) dispositif(s) / Device(s) category

Dispositif ou système de diagnostic par ultrasons

Ultrasound diagnostic device or system

Voir document complémentaire GMED / See GMED additional document

n° 36988

GMED atteste qu'à l'examen des résultats figurant dans le rapport référencé P183396, P601203, le système d'assurance qualité - pour la conception, la production et le contrôle final - des dispositifs médicaux énumérés ci-dessus est conforme aux exigences de l'annexe II excluant le point 4 de la Directive 93/42/CEE.

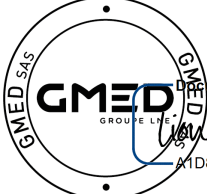
GMED certifies that, on the basis of the results contained in the file referenced P183396, P601203, the quality system - for design, manufacturing, and final inspection - of medical devices listed here above complies with the requirements of the Directive 93/42/EEC, annex II excluding section 4.

La validité du présent certificat est soumise à une vérification périodique ou imprévue

The validity of the certificate is subject to periodic or unexpected verification

Début de validité / Effective date : March 17th, 2021 (included)

Valable jusqu'au / Expiry date : May 26th, 2024 (included)


Signed by:
Lionel DREUX
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Lionel DREUX
Certification Director

Ce document complémentaire GMED n° 36988 rev. 1 atteste de la validité du certificat CE N° 7697 rev. 19 au regard des informations listées ci-dessous.

This GMED additional document n° 36988 rev. 1 attests to the validity of EC certificate N° 7697 rev. 19 with regard to the information listed below.

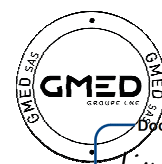
**Fabricant / Manufacturer: GE ULTRASOUND KOREA, Ltd.
9, Sunhwan-ro 214beon-gil, Jungwon-gu,
SEONGNAM-SI, GYEONGGI-DO, REPUBLIC OF KOREA**

Identification des dispositifs / Identification of devices

Désignation du dispositif / Accessoires marqués CE <i>Device designation / CE marked accessories</i>	Réf commerciale du dispositif ou code article <i>Device commercial reference or article code</i>	Classe du DM MD class
Dispositif ou système de diagnostic par ultrasons <i>Ultrasound diagnostic device or system</i>	LOGIQ P7	Ila
Dispositif ou système de diagnostic par ultrasons <i>Ultrasound diagnostic device or system</i>	LOGIQ P8	Ila
Dispositif ou système de diagnostic par ultrasons <i>Ultrasound diagnostic device or system</i>	LOGIQ P9	Ila
Dispositif ou système de diagnostic par ultrasons <i>Ultrasound diagnostic device or system</i>	LOGIQ P10	Ila
Dispositif ou système de diagnostic par ultrasons <i>Ultrasound diagnostic device or system</i>	VOLUSON S6	Ila
Dispositif ou système de diagnostic par ultrasons <i>Ultrasound diagnostic device or system</i>	VOLUSON S8	Ila
Dispositif ou système de diagnostic par ultrasons <i>Ultrasound diagnostic device or system</i>	VOLUSON S8t	Ila
Dispositif ou système de diagnostic par ultrasons <i>Ultrasound diagnostic device or system</i>	VOLUSON S10	Ila

GMED 0459

GMED - 36988 rev. 1
Modifie le document n° 36988 rev.0



DocuSigned by:

Lionel DREUX

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Lionel DREUX
Certification Director

Désignation du dispositif / Accessoires marqués CE <i>Device designation / CE marked accessories</i>	Réf commerciale du dispositif ou code article <i>Device commercial reference or article code</i>	Classe du DM <i>MD class</i>
Dispositif ou système de diagnostic par ultrasons <i>Ultrasound diagnostic device or system</i>	VOLUSON S10 Expert	Ila
Dispositif ou système de diagnostic par ultrasons <i>Ultrasound diagnostic device or system</i>	VOLUSON P6	Ila
Dispositif ou système de diagnostic par ultrasons <i>Ultrasound diagnostic device or system</i>	VOLUSON P8	Ila
Dispositif ou système de diagnostic par ultrasons <i>Ultrasound diagnostic device or system</i>	VOLUSON SWIFT	Ila
Dispositif ou système de diagnostic par ultrasons <i>Ultrasound diagnostic device or system</i>	VOLUSON SWIFT+	Ila
Dispositif ou système de diagnostic par ultrasons <i>Ultrasound diagnostic device or system</i>	LOGIQ S8	Ila
Dispositif ou système de diagnostic par ultrasons <i>Ultrasound diagnostic device or system</i>	LOGIQ S8 T1	Ila
Dispositif ou système de diagnostic par ultrasons <i>Ultrasound diagnostic device or system</i>	LOGIQ S7 Expert	Ila
Dispositif ou système de diagnostic par ultrasons <i>Ultrasound diagnostic device or system</i>	LOGIQ S7 Pro	Ila
Dispositif ou système de diagnostic par ultrasons <i>Ultrasound diagnostic device or system</i>	LOGIQ S7 XDclear2.0	Ila
Dispositif ou système de diagnostic par ultrasons <i>Ultrasound diagnostic device or system</i>	LOGIQ E10s	Ila

Site couvert et Activités / Location and Activities

Site / Location	Activités / Activities
<p>GE ULTRASOUND KOREA, Ltd. 9, Sunhwan-ro 214beon-gil, Jungwon-gu, Seongnam-si, Gyeonggi-do, REPUBLIC OF KOREA équivalent à <i>equivalent to</i> GE ULTRASOUND KOREA, Ltd. 65-1, Sangdaewon-dong, Jungwon-gu, Seongnam-si, Gyeonggi-do - 462-120 REPUBLIC OF KOREA</p>	<p>Conception, fabrication et contrôle final <i>Design, manufacture and final control</i></p>

GMED 0459

GMED - 36988 rev. 1
Modifie le document n° 36988 rev.0



DocuSigned by:

Lionel DREUX

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Lionel DREUX
Certification Director



Benannt durch/Designated by
Zentralstelle der Länder
für Gesundheitsschutz
bei Arzneimitteln und
Medizinprodukten
www.zlg.de
BS-MDR-099



Product Service

EU Quality Management System Certificate (MDR)

Pursuant to Regulation (EU) 2017/745 on Medical Devices, Annex IX Chapters I and III
(Class IIa and Class IIb Devices)

No. G10 075707 0078 Rev. 00

Manufacturer: **GE Healthcare Austria GmbH & Co OG**
Tiefenbach 15
4871 Zipf
AUSTRIA

The Certification Body of TÜV SÜD Product Service GmbH certifies that the manufacturer has established, documented and implemented a quality management system as described in Article 10 (9) of the Regulation (EU) 2017/745 on medical devices. Details on device categories covered by the quality management system are described on the following page(s). The Report referenced below summarises the result of the assessment and includes reference to relevant CS, harmonized standards and test reports. The conformity assessment has been carried out according to Annex IX Chapter I and III of this regulation with a positive result. The quality management system assessment was accompanied by the assessment of technical documentation for devices selected on a representative basis. The certified quality management system is subject to periodical surveillance by TÜV SÜD Product Service GmbH. The surveillance assessment shall also include an assessment of the technical documentation for the device or devices concerned on the basis of further representative samples.

Report No.: 713175299

Preceding certificate No.: this certificate is issued for the first time

Valid from: 2020-05-14

Valid until: 2025-05-13

Date of initial issuance / Rev.00: 2020-05-13

Christoph Dicks
Head of Certification/Notified Body

Issue date: 2020-05-14



Benannt durch/Designated by
 Zentralstelle der Länder
 für Gesundheitsschutz
 bei Arzneimitteln und
 Medizinprodukten
 www.zgl.de
 BS-MDR-099



Product Service

EU Quality Management System Certificate (MDR)

Pursuant to Regulation (EU) 2017/745 on Medical Devices, Annex IX Chapters I and III
 (Class IIa and Class IIb Devices)

No. G10 075707 0078 Rev. 00

Device Group
 Echographic Instruments

Risk Classification
 IIa

**The validity of this certificate
 depends on conditions and/or
 is limited to the following:** None

**Revision History including
 Changes:** 00 / 2020-05-13 / 713175299

TÜV SÜD
 ZERTIFIKAT ◆ CERTIFICATE ◆ 認證書 ◆ CERTIFICADO ◆ CERTIFICAT



Certificate of Completion

This certifies that

Ion Negru

has successfully completed

Proficient_UL Service Training (DL)

Completed on 3/26/2021
(date format: mm/dd/yyyy)



Certificate of Completion

This certifies that

Ion Negru

has successfully completed

Proficient_UL Exam (DL)

Completed on 4/1/2021
(date format: mm/dd/yyyy)

Certificate

The Certification Body of
TÜV Rheinland LGA Products GmbH

hereby certifies that the organization

GE ULTRASOUND KOREA, Ltd.
9, Sunhwan-ro 214beon-gil, Jungwon-gu
SEONGNAM-SI, GYEONGGI-DO
Republic of Korea

has established and applies a quality management system for medical devices
for the following scope:

(see attachment for scope and additional site included)

Proof has been furnished that the requirements specified in

EN ISO 13485:2016

are fulfilled. The quality management system is subject to yearly surveillance.

Effective Date: 2020-03-17
Certificate Registration No.: SX 60146260 0001
An audit was performed. Report No.: 32090188 001
This Certificate is valid until: 2021-11-04

Certification Body



Deutsche
Akkreditierungsstelle
D-ZM-14169-01-02

Date 2020-03-17



Balazs Bozsik

Balazs Bozsik

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg
Tel.: +49 221 806-1371 Fax: +49 221 806-3935 e-mail: cert-validity@de.tuv.com <http://www.tuv.com/safety>

TÜV Rheinland
LGA Products GmbH
Tillystraße 2, 90431 Nürnberg

**Attachment to
Certificate**

Registration No.: SX 60146260 0001
Report No.: 32090188 001

Organization: GE ULTRASOUND KOREA, Ltd.
9, Sunhwan-ro 214beon-gil, Jungwon-gu
SEONGNAM-SI, GYEONGGI-DO
Republic of Korea

Scope: Design and Development, Manufacture and Final Test of
Ultrasound Diagnostic Devices and Systems

Site Included:
GE Ultrasound Korea, Ltd.
65-1, Sangdaewon-dong, Jungwon-gu
Seongnam-si, Gyeonggi-do
462-120 Republic of Korea

Design and Development, Manufacture and Final Test of
Ultrasound Diagnostic Devices and Systems

Certification Body



Date: 2020-03-17

Balk Balazs
Balazs Bozsik



GE Healthcare
Technologies

Kuortaneenkatu 2
Helsinki, FI-00031 GE
Finland

T +358 10 39411
F +358 9 146 3310

Date: 20.10.2021

Manufacturer's Authorization Form

To: CENTRUL PENTRU ACHIZITII PUBLICE CENTRALIZATE IN SANATATE

Tender: 21044374 - Achizitia Dispozitivelor medicale, conform necesitatilor beneficiarilor lista suplimentara 14, pentru anul 2021

WHEREAS we, **GE Healthcare**, reputable manufacturers respectively suppliers of the offered

LOGIQ P9

do hereby guarantee the quality and the performances of the offered products and authorize **Intermed SRL, , 64/2, Albisoara Street, 2005 Chisinau, Republic of Moldova**, to submit a bid and subsequently negotiate and sign the Contract with you against a.m. tender, organized by CENTRUL PENTRU ACHIZITII PUBLICE CENTRALIZATE IN SANATATE, for the above goods manufactured respectively supplied by us.

Also, Intermed SRL is the authorized company to provide service for the GE products on the territory of the Republic of Moldova.

GE Healthcare Finland Oy

Name:
Title: **Mikko Kauppinen**
Date: **Financial Controller**

GE Healthcare Finland Oy

Name:
Title: **Jorma Seppälä**
Date: **Accounting Manager**

General Electric Company
GE Healthcare Finland Oy

Business ID 1897064-6
Domicile Helsinki
VAT No. FI18970646

Nordea Bank
Aleksis Kiven katu 3-5
FI-00500 Helsinki, Finland
Bank SWIFT-address
Nordea Bank NDEAHFIHH













LOGIQ™ P9/P7


Probe Guide



The LOGIQ P9/P7 is a highly capable ultrasound system that provides excellent image quality and productivity through easy to use tools across a wide range of applications in a portable, ergonomic, budget-friendly system design.

	Description	Applications	FOV	Bandwidth	Biopsy Guide	System
Convex Array						
	Wideband convex array probe	Abdomen, OB/GYN, Urology, Vascular	70°	1 – 6 MHz	Multi-angle, disposable with a reusable bracket (H40432LE)	LOGIQ P9
	Wideband convex array probe	Abdomen, OB/GYN, Urology, Vascular	58°	1 – 5 MHz	Multi-angle, disposable with a reusable bracket (E8385NA)	LOGIQ P7
Micro-convex Array						
	Wideband micro-convex array probe	Neonatal, Pediatrics	132°	3 – 11 MHz	No	LOGIQ P9 LOGIQ P7
	Wideband micro-convex intra-cavitary array probe	OB/GYN, Urology, Endocavity	132°	3 – 11 MHz	Single-angle, disposable with a disposable bracket (E8385MJ, E8333JB), Single-angle, reusable bracket (H40412LN)	LOGIQ P9 LOGIQ P7
	Wideband micro-convex intra-cavitary array probe	OB/GYN, Urology, Endocavity	168°	3 – 11 MHz	Single-angle, disposable with a disposable bracket (E8385MJ, E8333JB), single-angle, reusable bracket (H40412LN)	LOGIQ P9 LOGIQ P7
	Wideband micro-convex intracavity array probe	OB/GYN, Urology, Endocavity	168°	2 – 11 MHz	Single-angle, disposable with a disposable bracket (H48691YW), Single-angle, reusable bracket (H48701MN)	LOGIQ P9 LOGIQ P7
	Wideband micro-convex intra-cavitary bi-plane array probe	Urology, Transrectal	127° x 2	3 – 12 MHz	Single-angle, reusable (E8387MA), disposable (E8387M), disposable starter kit (H42742LH), disposable starter kit (H42742LJ)	LOGIQ P9 LOGIQ P7
Linear Array						
	Wideband linear matrix array probe	Small Parts, Vascular, Neonatal, Pediatrics, Musculoskeletal	50 mm	4 – 15 MHz	Multi-angle, disposable with a reusable bracket (H40432LJ)	LOGIQ P9
	Wideband Linear Array Probe	Vascular, Small Parts, Neonatal, Pediatrics, Abdomen	51.2 mm	2 – 11 MHz	Multi-angle, disposable with a reusable bracket (H48032AA)	LOGIQ P7 LOGIQ P9
	Wideband linear array probe	Small Parts, Neonatal, Musculoskeletal	13 mm	7 – 20 MHz	No	LOGIQ P9

	Description	Applications	FOV	Bandwidth	Biopsy Guide	System
Linear Array (cont.)						
	Wideband linear array probe	Small Parts, Vascular, Pediatrics, Neonatal, Musculoskeletal	38 mm	3 – 12 MHz	Multi-angle, disposable with a reusable bracket (H40432LC)	LOGIQ P9
	Wideband linear array probe	Interventional Guidance, Vascular, Small Parts, Neonatal, Pediatrics, Musculoskeletal	38 mm	3 – 12 Mhz	Multi-angle, disposable with a reusable bracket (H40432LC), multi-angle, disposable with a reusable bracket (H48392LL), multi-angle, disposable with a reusable bracket (H48392LT)	LOGIQ P9 LOGIQ P7
	Wideband linear array probe	Small Parts, Vascular, Pediatric, Neonatal, Musculoskeletal	38 mm	3 – 12 MHz	Multi-angle, disposable with a reusable bracket (H40432LC), multi-angle, disposable with a reusable bracket (H48392LL), multi-angle, disposable with a reusable bracket (H48392LT)	LOGIQ P9 LOGIQ P7
	Wideband linear array probe	Vascular, Small Parts, Pediatrics, Abdomen	44 mm	2 – 8 MHz	Multi-angle, disposable with a reusable bracket (H4906BK)	LOGIQ P9 LOGIQ P7
	Wideband linear array probe	Small Parts, Vascular, Pediatrics, Neonatal, Abdomen	38.4 mm	5 – 11 MHz	Multi-angle, disposable with a reusable bracket (H40432LC)	LOGIQ P9 LOGIQ P7
	Wideband linear array probe	Small Parts, Vascular, Pediatrics, Neonatal, Intraoperative	25 mm	4 – 15 MHz	No	LOGIQ P9
	Wideband linear array probe	Small Parts, Vascular, Musculoskeletal, Intraoperative	38 mm	2 – 9 MHz	No	LOGIQ P9
Sector Array						
	Wideband sector array probe	Cardiac, Abdomen, Transcranial	120°	1 – 5 MHz	Multi-angle, disposable with a reusable bracket (H46222LC)	LOGIQ P9 LOGIQ P7
	Wideband sector array probe	Cardiac, Neonatal, Pediatric	90°	2 – 8 MHz	No	LOGIQ P9 LOGIQ P7
	Wideband sector array probe	Pediatric, Neonatal	90°	4 – 12 MHz	No	LOGIQ P9 LOGIQ P7

	Description	Applications	FOV	Bandwidth	Biopsy Guide	System
	Sector Array (cont.)					
 6Tc-RS H45551ZE	TEE probe	Cardiac	90°	2 – 8 MHz	No	LOGIQ P9
	Real-time 4D					
 RAB2-6-RS H48681WR	Wideband real-time 4D probe	Abdomen, OB/GYN, Urology	66° (B), 85° (Volume scan)	1 – 5 MHz	Multi-angle, disposable with a reusable bracket (H48681ML)	LOGIQ P9 LOGIQ P7
 RIC5-9A-RS H48701EJ	Wideband real-time 4D intra-cavitary probe	Endocavity, OB/GYN, Urology	146° (B) 120° (Volume angle)	3 – 10 MHz	Single-angle, reusable bracket (H46721R), Single-angle, disposable (H48681GF)	LOGIQ P9 LOGIQ P7
	Specialty					
 P8D H46312LZ	CW split crystal pencil probe	Cardiac, Vascular	N/A	8 MHz	No	LOGIQ P9 LOGIQ P7
 P6D H4830JG	CW split crystal pencil probe	Cardiac, Vascular	N/A	6 MHz	No	LOGIQ P9 LOGIQ P7
 P2D H4830JE	CW split crystal pencil probe	Cardiac, Vascular		2 MHz	No	LOGIQ P9 LOGIQ P7

Imagination at work

Product may not be available in all countries and regions. Full product technical specification is available upon request. Contact a GE Healthcare Representative for more information. Please visit www.gehealthcare.com/promotional-locations.

Data subject to change.

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January 2019

DOC2185685

