



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.



The Pinpoint™ GT Needle Guidance Technology is used under license from C.R. Bard, Inc.

gehealthcare.com

General Specification

Dimensions and Weight	
Height	Articulating monitor arm 1320 mm ~ 1570 mm (52.0 in ~ 61.8 in)
Width	Keyboard: 430 mm (16.9 in) Foot cover: 495 mm (19.5 in) Monitor: 525 mm (20.7 in)
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)	68 kg/150 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	
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	
21.5" widescreen LCD with high resolution	

System Overview

Applications	
Abdominal	
Obstetrical	
Gynecological	
Breast	
Small parts	
Musculoskeletal	
Vascular	
Urological	
Pediatric & neonatal	
Intraoperative	
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)	



System Overview *(cont.)*

Operating Modes *(cont.)*

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 Imaging² (option)

CW Doppler Mode (option)

TVI Mode (option)

Strain Elastography (option)

3D/4D Volume Modes (option)

Shear Wave Elastography (option)

HDlive™ (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

Advanced 3D (option)

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

System Standard Features *(cont.)*

InSite™ capability

IOTA (International Ovarian Tumor Analysis) LR2 worksheet

Vnav Import

System Options

Auto IMT

Advanced 3D

Cable hook rear

Card reader mounting kit

Strain Elastography

Elastography Quantification³

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

Guidance Technology (Pinpoint™ GT Needle Guidance Technology)

Shear Wave Elastography

LOGIQ P apps

HDlive

Coded Contrast (CEUS)

HRES CEUS



System Overview (cont.)

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 reader (for reading needle information)

LOGIQ P apps (Bluetooth)

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

Display Modes (cont.)

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:
3 types selectable

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

Time format:
2 types selectable

- 24 hours
- 12 hours

Gestational age from

- LMP
- EDD
- GA
- 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



System Overview *(cont.)*

Display Annotation *(cont.)*

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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • DICOM – compressed/uncompressed, single/multiframe, with/without raw data • Export JPEG, JPEG2000, WMV, MPEG 4 and AVI formats
Storage devices	<ul style="list-style-type: none"> • 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: ~345 GB