# LOGIQ™ P9

## Performance Series

Make it easy. Make it your own.

**Imagination at work**

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Global
January 2015
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# Challenging ultrasound environment

## Time and quality challenges
- Growing patient volume
- Need for fast, accurate diagnosis

## Operator essentials
- User-friendly equipment
- Avoid work related injuries

## Economic pressures
- Budget constraints
- Declining reimbursement
- ROI and life cycle costs

## Physical environment
- Cramped exam rooms
- Increasing need for portable exams

## Patient expectations
- Well-informed patients
- Comfort and safety

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# GE Ultrasound innovation

## Clinical focus

| LOGIQ™ | Voluson™ | Vivid™ | Venue™ | Vscan™ | ViewPoint™ | Invenia™ ABUS |
|---|---|---|---|---|---|---|
| General Imaging | Women's Health | Cardio-vascular | Point of Care | Primary Care | Ultrasound IT | Breast Screening |
| | | | | | | |
| **Extraordinary images** | **Extraordinary images** | **Extraordinary images** | **Extraordinary images** | **Extraordinary images** | **Ultrasound-specific productivity** | **Designed for screening** |
| Easy workflow | Exceptional 4D | 4D heart in a single beat | Easy to use | "Take a look" | Easy Workflow | Advanced automation for fast-paced workflow |
| Image fusion and scan automation | Advanced automation | Advanced quantitative tools | Easy to clean | Size/weight of a soda can | Plug-ins for popular PACS | |

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# GE Ultrasound innovation

## General Imaging products

### Compact

Venue™ Series LOGIQ™ *e* Vscan™

Invenia™
ABUS

LOGIQ S8

LOGIQ E9
with XDclear™

NEW!

LOGIQ P7/LOGIQ
P9

LOGIQ S7

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# LOGIQ™ P9

Make it easy. Make it your own.

## Easy to use systems with fast performance and personalized workflow

### Personalized

Customizable settings and workflow that help improve your ease of use

### Patient-Centric

Solutions that enable improved focus on patients and help enhance your confidence and care delivery

### Practical

Smart ergonomics and solutions to help improve your productivity and investment value

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# Personalized

# LOGIQ™ P9

## Make it easy. Make it your own.

Personalized

### My Page for customized personal preferences

- Personalize workflow by preset
- Configurable measurement, comments, body patterns, and functions
- Individual user logon

### Extended customization for enhanced flexibility

- User defined keys in control panels and touch panels
- Configurable mode keys
- Configurable smart keys
- Digital TGC preset

### Simplified operator panel for fast exams

- 80% reduction of physical buttons and controls*
- 10.4 inch touch panel
- Digital TGC and keyboard

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*Internal GE engineering study using standardized protocols for an abdominal exam compared with prior version GE LOGIQ P6 ultrasound system.

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# Patient-Centric

# LOGIQ™ P9

## Helps you improve patient care

Patient-Centric

## Achieve high image quality with ease

- Migration of Agile Acoustic Architecture from our leadership system into a lightweight portable design
- Wide assortment of LOGIQ advanced probes for high performance in a wide range of applications
- Features to help enhance diagnostic information such as Speckle Reduction Imaging, CrossXBeam™ and B-steer+[2]

## Advanced tools[2] to apply on difficult cases

- Vascular features as Contrast Imaging[1] and B-Flow™,
- Elastography
- LOGIQ View
- 3D/4D Ultrasound
- Anatomical M-Mode

## Addressing a variety of clinical needs

- Comprehensive solutions to address your needs in a wide range of clinical applications: Abdominal, Small Parts, Breast, Musculoskeletal, Vascular, Cardiac, OB/GYN

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1. CEUS is not approved or cleared by the U.S. FDA.
2. Refer to the LOGIQ P9 brochure for a list of purchasable options

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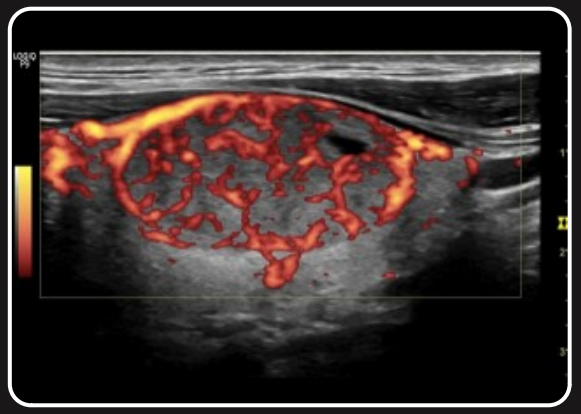
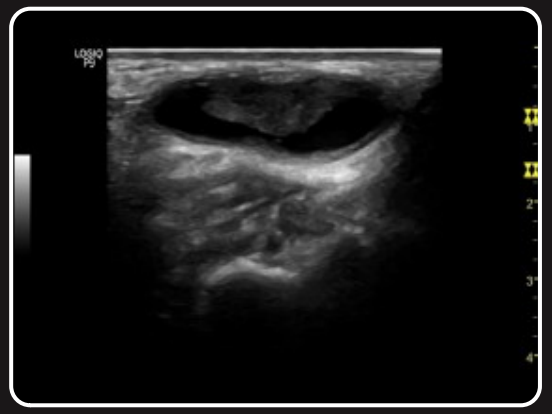
# Radiology

Image uniformity with C1-5-RS from near to far field



Thyroid lesion vascularization using Power Doppler imaging and ML6-15-RS



Internal carotid artery plaque detailed representation using 9L-RS

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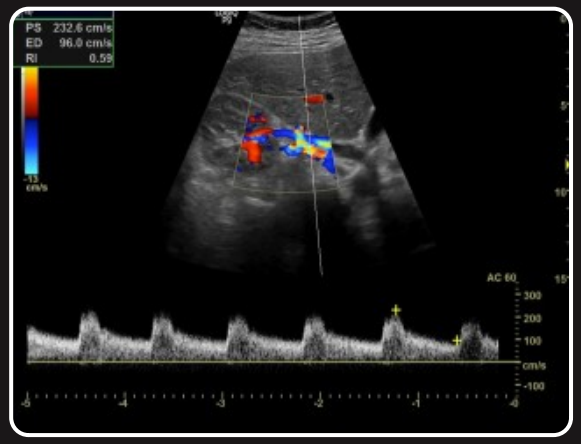
# Abdominal

Uniform liver imaging with C1-5-RS from near to far field

Vascularization of the spleen using B-Flow™ and 9L-RS




Renal artery hemodynamics with PW using C1-5-RS

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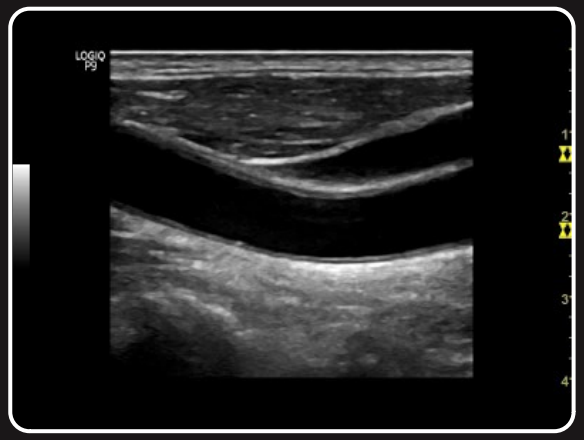
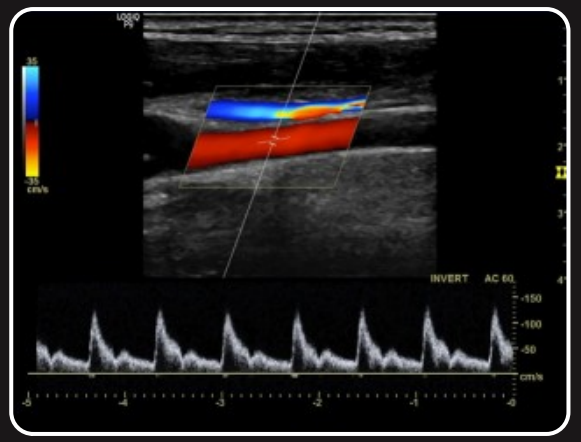
# Vascular



Clear visualization of the IMT of the CCA using 9L-RS

True hemodynamics seen in vascular imaging with B-Flow™ Color and 9L-RS




ICA hemodynamics with PW using 9L-RS

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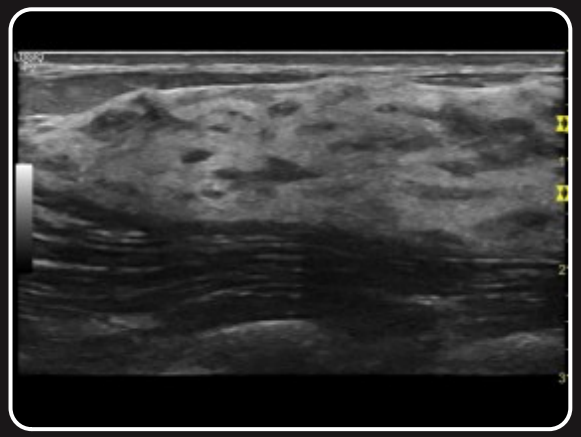
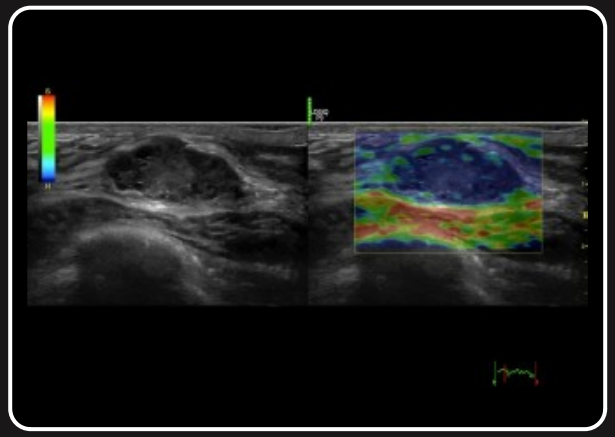
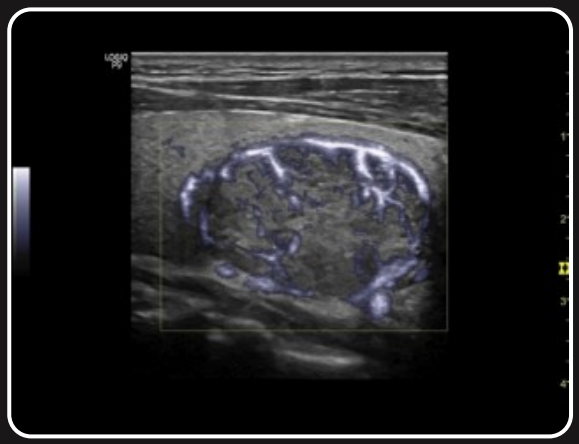
# Small Parts



Lesion differentiation in breast using ML6-15-RS



Stiffness representation of breast lesion using Elastography option with ML6-15-RS



Thyroid lesion vascularization using B -Flow™ Color and 12L-RS

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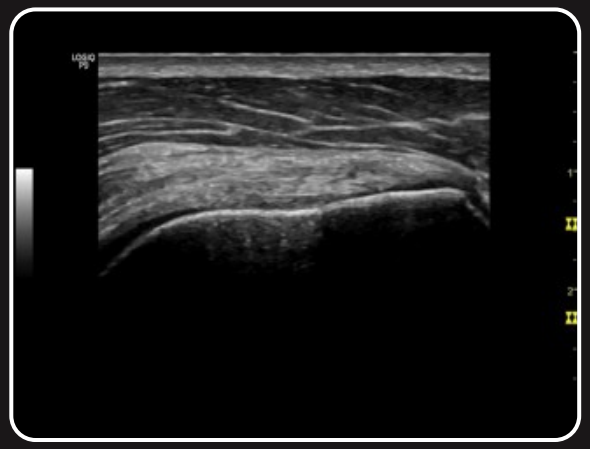
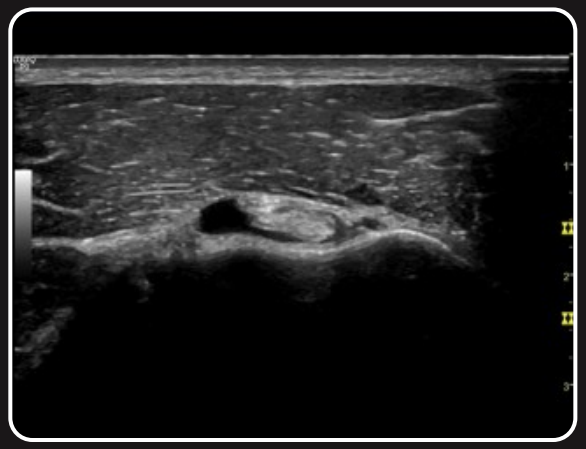
# Musculoskeletal



Representation of the subscapularis tendon using ML6-15-RS



Biceps tendon imaging with ML6-15-RS

Superficial imaging of MTP joint with ML6-15-RS

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# Cardiology

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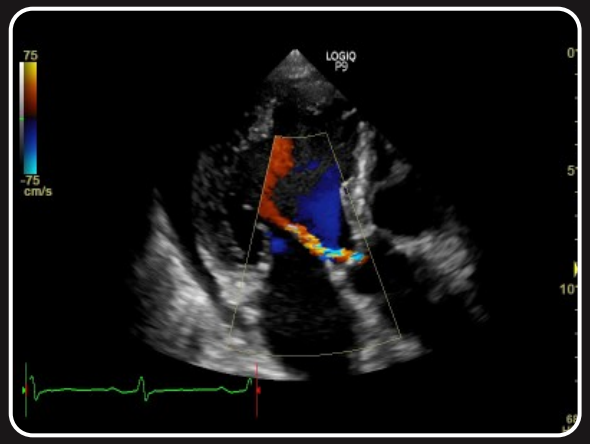
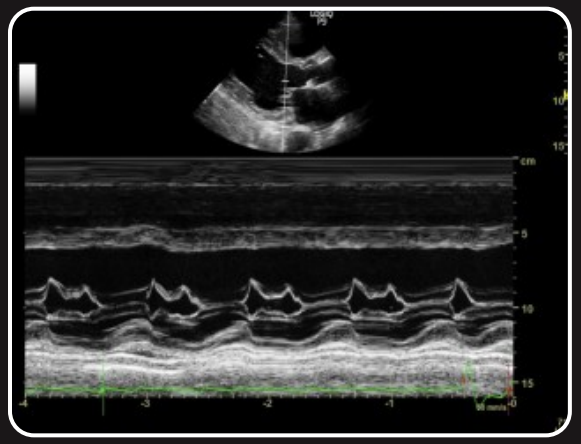
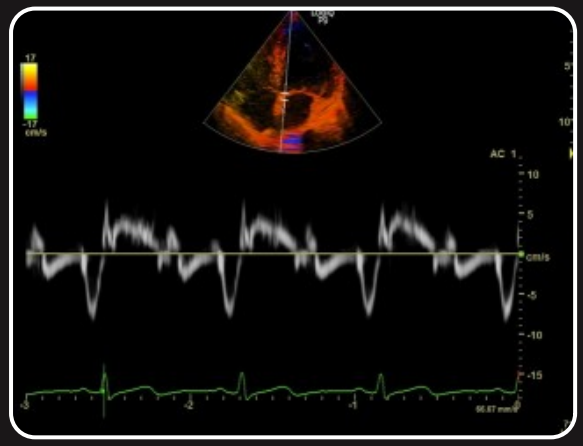



Aortic valve regurgitation flow in apical long axis view using 3Sc-RS



Mitral valve M-Mode imaging with 3Sc-RS




Assessment of wall motion using TVI/TVD option with 3Sc-RS

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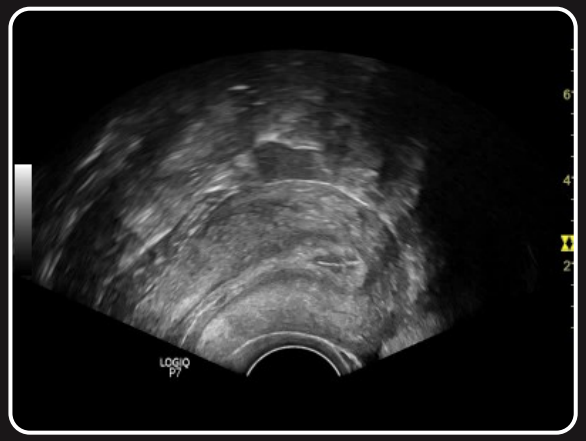
# OB/GYN

3D/4D imaging of the fetus with RAB2-6-RS




Endocavitary imaging of the uterus using E8C-RS

Image uniformity with RAB2-6-RS from near to far field

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# Practical

# LOGIQ™ P9 helps you…

Practical

## Ergonomics on demand

An innovative ergonomic solution addressing your request for a slim, fully adjustable system to help increase your scanning comfort

## Solutions[1] to help you improve exam consistency and productivity

- Auto Image Optimization (ATO, ASO)
- Reset key
- Breast and Thyroid productivity packages
- Compare Assistant
- Scan Assistant
- GE Raw Data
- Auto IMT
- AutoEF
- Multi Modality Q/R
- Measure Assistant

## Extended portability to address your mobility needs

- Power Assistant and wireless capability

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1. Refer to the LOGIQ P9 brochure for a list of purchasable options

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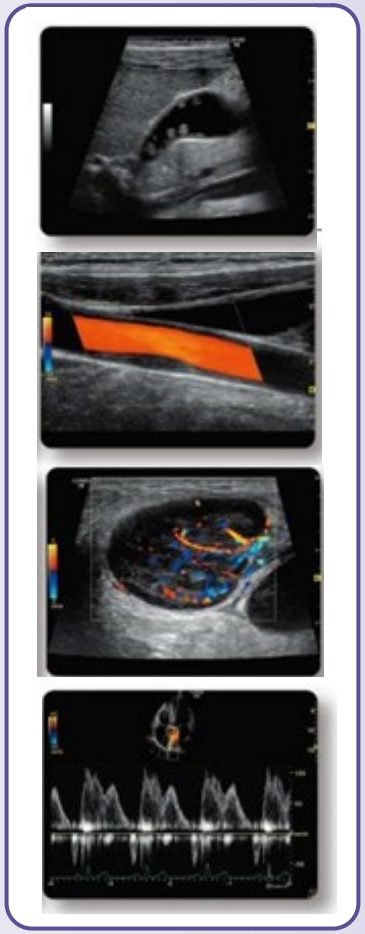
# Customer care

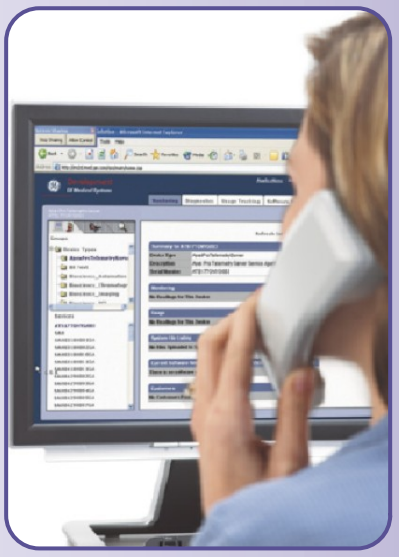
# LOGIQ™ P9

Make it easy. Make it your own.

Practical

## Tailored solutions[1] to help you address your daily challenges





### Education

- My Trainer – on-board training tools
- LOGIQ™ Club community and product educational services
- Access to additional purchasable online and in-person education

### Service and Care

- Three years of service included with purchase
- Global remote support (InSite™ Exc)
- Dedicated financial solutions
- Probe care
- www.gehealthcare.com/transducers

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# LOGIQ™ P9

## Performance Series

### Make it easy. Make it your own.

Its sleek, lightweight design incorporates powerful technologies while enhancing workflow and user experience.

All at an affordable price that helps meet budget expectations.

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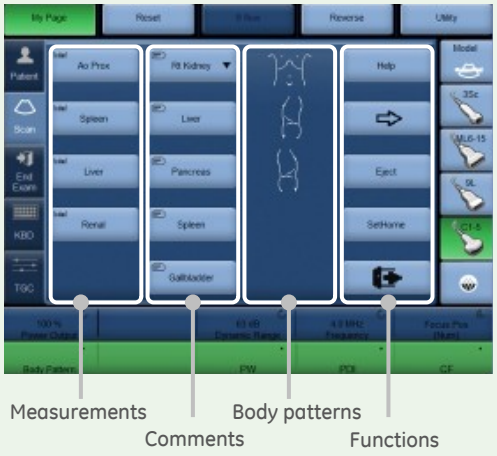
# My Page

Personalized

## Configurable on each My Page

- GE innovative personalization feature
- Preset depended (Abd/Carotid/...has My Page)
- Each use case (preset) has My Page

### Abd




### Carotid

### OB

### Breast

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# Additional configurable capability

Personalized

1 5 physical user defined keys

2 Freeze & P1
Exchangeable

5 digital user defined keys

5 configurable mode keys

Configurable smart keys

| Imaging Mode | Function |
|---|---|
| Live B, B-Flow™ | Focal Zone Up/Down |
| | Frequency Up/Down |
| CF, TVI, B-Flow Color, PDI | Box Steer |
| | Scale (PRF) Up/Down |
| PWD, CW, TVD | Baseline Up/Down |
| | Scale (PRF) Up/Down |
| M/D cursor | Sample volume size |

3

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Patient-Centric

# Traditional Ultrasound

## Rigid assumptions about how sounds interacts with the body

- Speed of sound is constant (1540 m/s)
- Sound attenuation is constant
- Ultrasound beam is pencil shaped
- Vessels are straight
- Blood flow is laminar

→ Looking at the body as a phantom

### Reality is not so simple:

- Sound attenuation and velocity vary
- Ultrasound beam is a volume
- Vessels are tortuous
- Blood flow can be turbulent

### Simplifying assumptions can lead to:

- Poor image quality
- Distortion of image geometry
- Lots of adjustments to optimize images

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# Agile Acoustic Architecture

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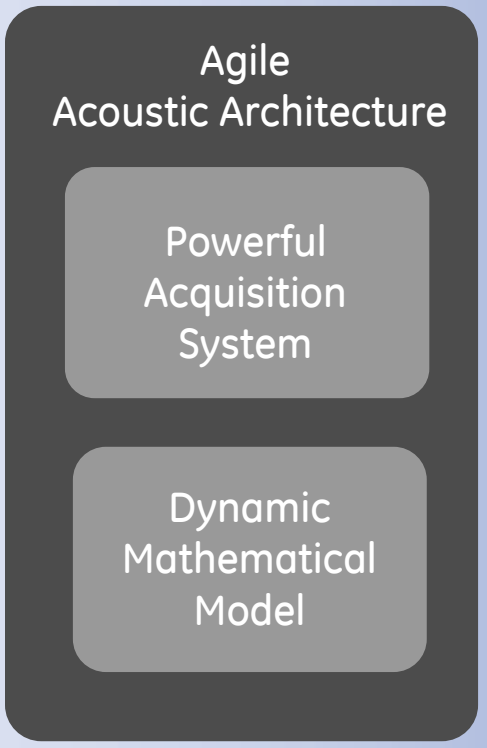
- Flexible clinically-based mathematical models of the body
- Dynamically optimizes image acquisition for every body type
- Including the reality of body types

- Speed of sound is variable: 1450-1560 m/s
- Sound attenuation varies based on tissue type
- Ultrasound beam is dynamic

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# P-Agile Acoustic Architecture

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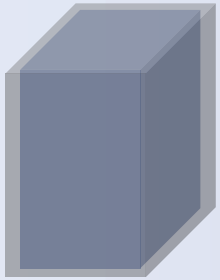
## Agile Architecture

Leadership core technology for advanced clinical applications

Agile System

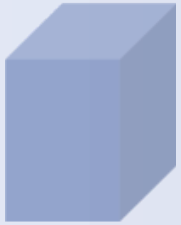


Migration of technology

## P-Agile Architecture

Compact size and technology to fit P-series customers workflow

P-Agile System



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# Agile Acoustic Architecture

## Helping improve your diagnostic confidence

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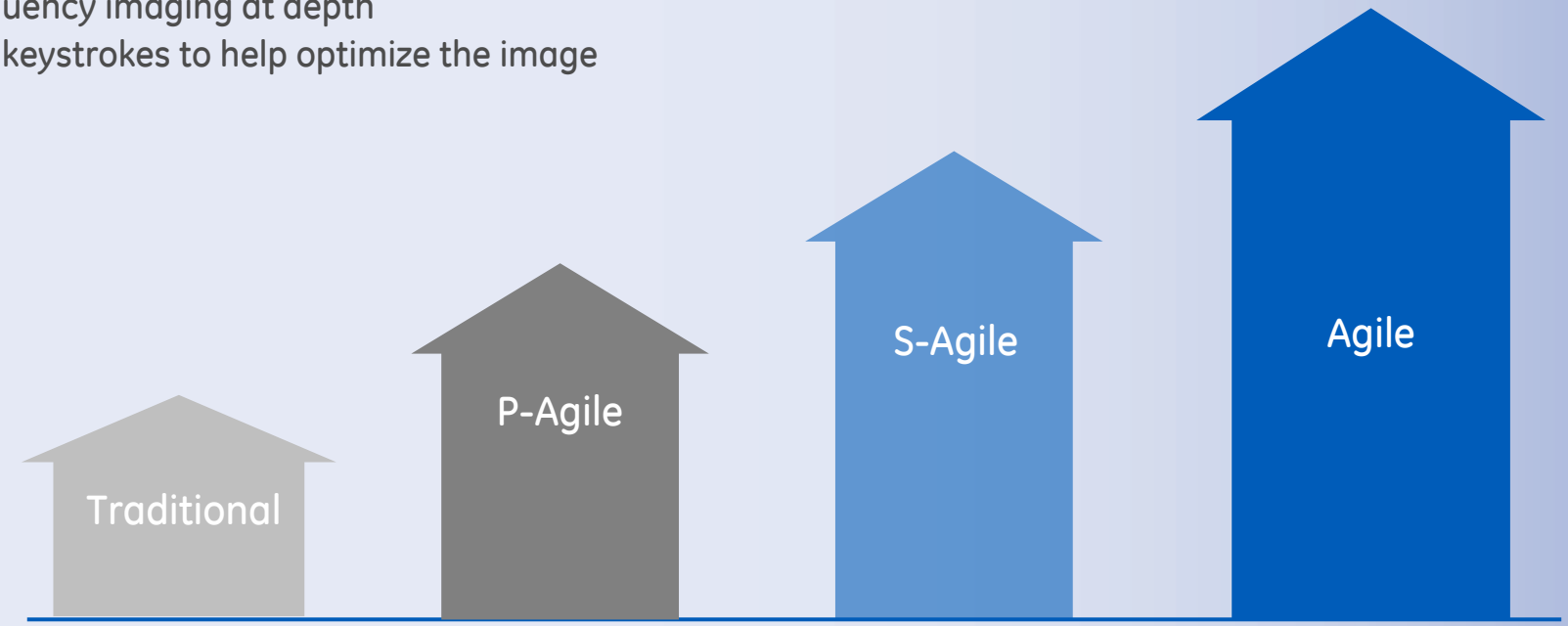
### Clinical benefits

- Image uniformity
- Spatial resolution
- High frequency imaging at depth
- Reduced keystrokes to help optimize the image

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# LOGIQ™ P-Series Probes

## Innovative technologies

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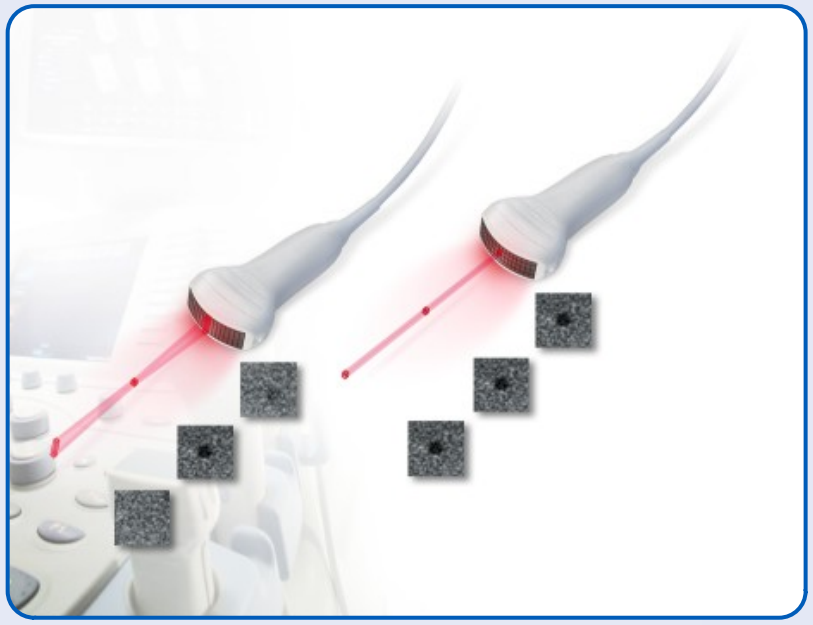
Conventional Array  Active Matrix Array



### ML6–15-RS

**High frequency linear probe**

Matrix arrays provide multiple rows of crystals, allow focusing in the near, mid and far field.

- Great spatial resolution and image uniformity from near to far field
- Footprint 50 mm
- Ultra-high Doppler & Color frequency for excellent slow flow sensitivity

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# LOGIQ™ P-Series Probes

## Acoustic Amplifier

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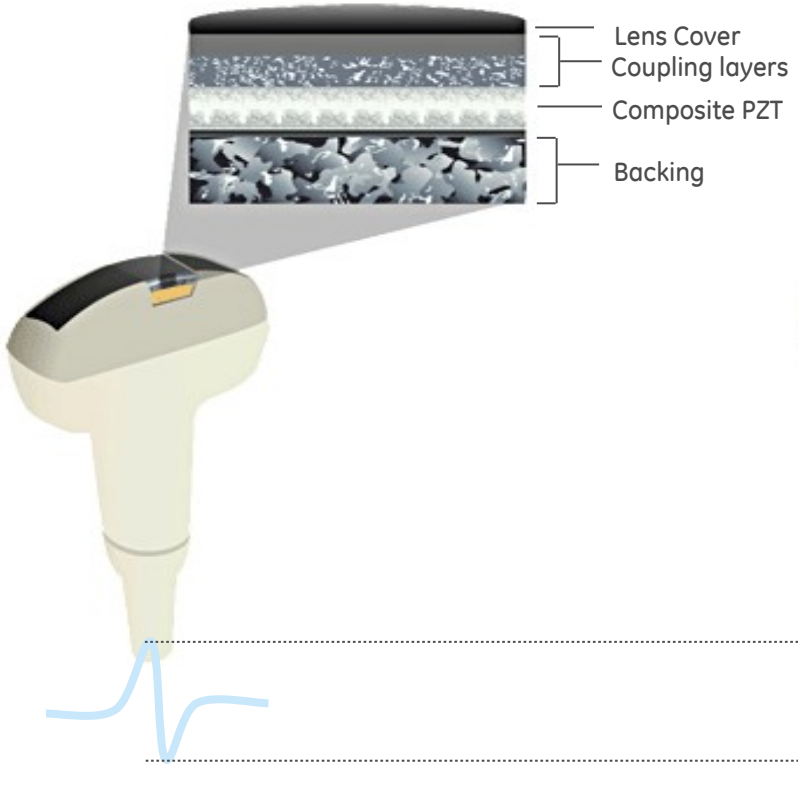
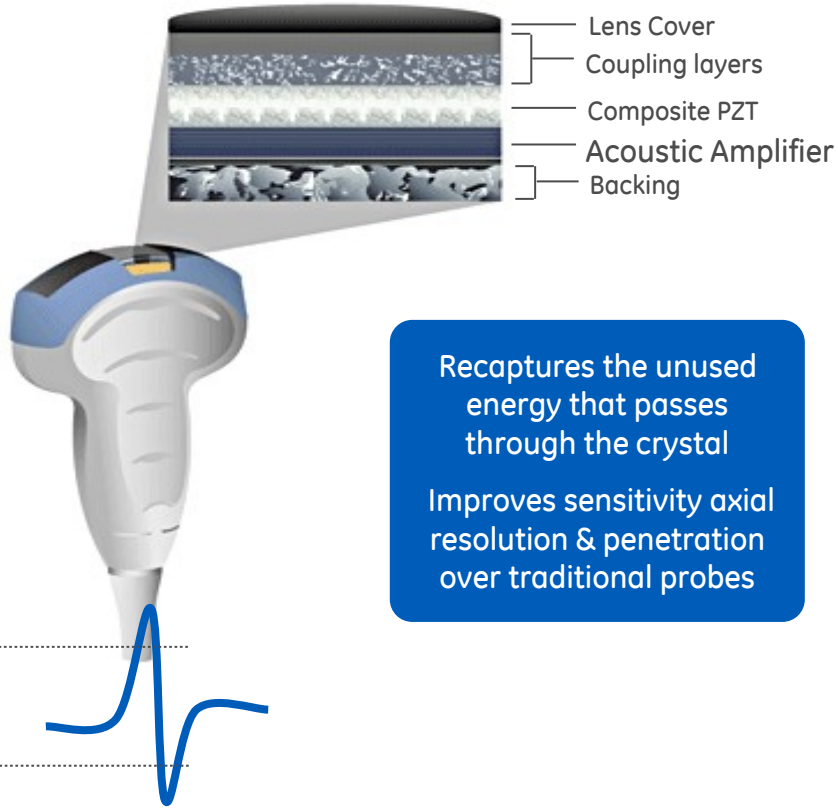
### Traditional Technology




### Acoustic Amplifier Technology




Recaptures the unused energy that passes through the crystal

Improves sensitivity axial resolution & penetration over traditional probes

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# LOGIQ™ P9 Probes

## Wide range of applications

Patient-Centric

| Clinical application | LOGIQ P9 Probes |
|---|---|
| Abdominal | C1-5-RS, 9L-RS, 3Sc-RS, RAB2-6-RS |
| Vascular | ML6-15-RS, 9L-RS, 12L-RS, L8-18i-RS, P8D |
| Cardiology | 3Sc-RS, 6S-RS |
| OB/GYN | RAB2-6-RS, C1-5-RS, E8C-RS |
| Breast | ML6-15-RS, 12L-RS |
| Small Parts | ML6-15-RS, 12L-RS, L8-18i-RS |
| Pediatrics/Neonatal | 8C-RS, 3Sc-RS, 6S-RS, 9L-RS, ML6-15-RS |
| Urology | C1-5-RS, E8C-RS, RAB2-6-RS |
| Intraoperative | L8-18i-RS |

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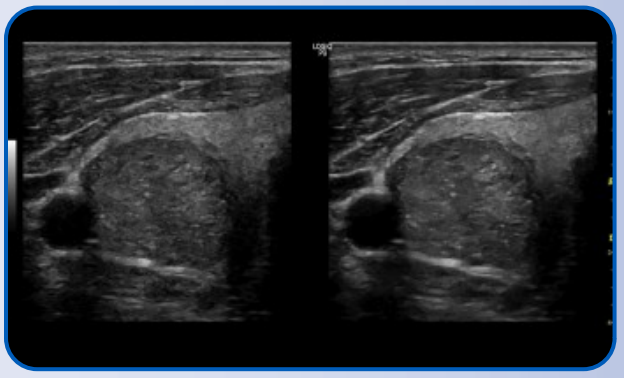
Patient-Centric

# CrossXBeam™

## Spatial compounding imaging

- Provides 3, 5, 7 of spatial compounding
- Live side-by-side dual view display
- Compatible with:
  - Color Mode
  - PW
  - SRI-HD
  - Coded Harmonic Imaging
  - Virtual Convex



**Help increase clinical confidence in all imaging modes**

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# B-Steer+

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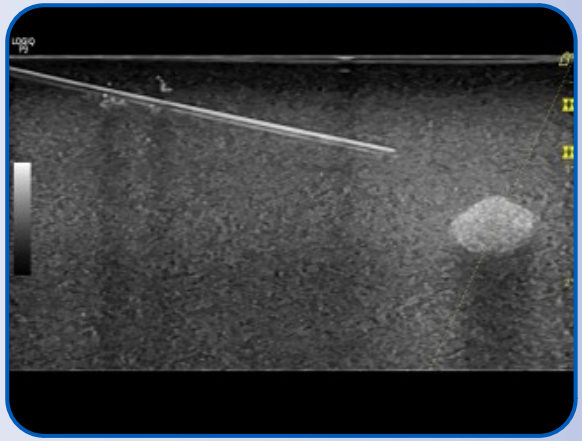
B-Steer+ [1] enables enhanced visualization of the needles structure during interventional procedures, helping improve user confidence and exam accuracy.



## Highlights:

- Up to 12 selectable steering angles available (six each direction)
- Separate gain control for needle reflection
- Available on all linear probes
- Quick one-button operation

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1. Refer to the LOGIQ P9 brochure for a list of purchasable options

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# Virtual Convex

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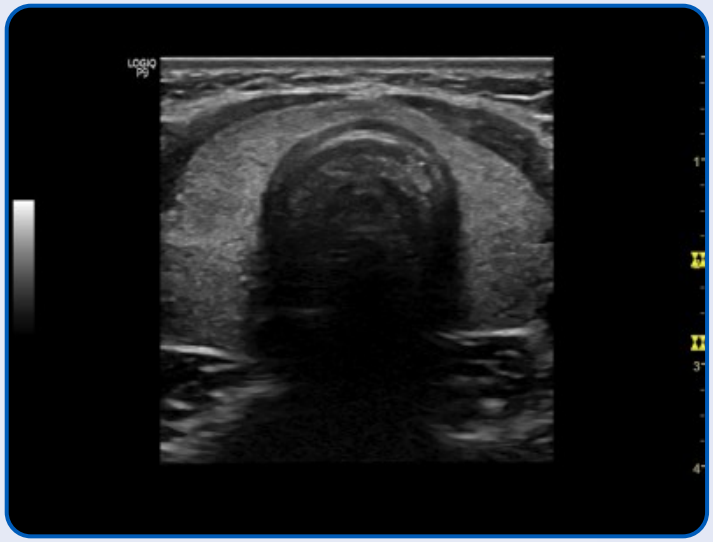

- Provides a convex field of view
- Compatible with CrossXBeam™
- Available on linear and phased array probes

View large anatomy in greater detail

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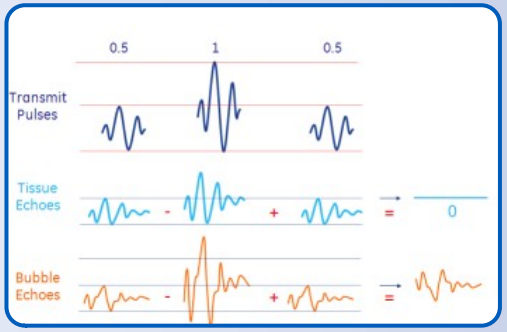
# Contrast Imaging[1,2]

Patient-Centric

## Amplitude Modulation Technique

- Great penetration and contrast sensitivity
- Excellent tissue suppression
- High image uniformity

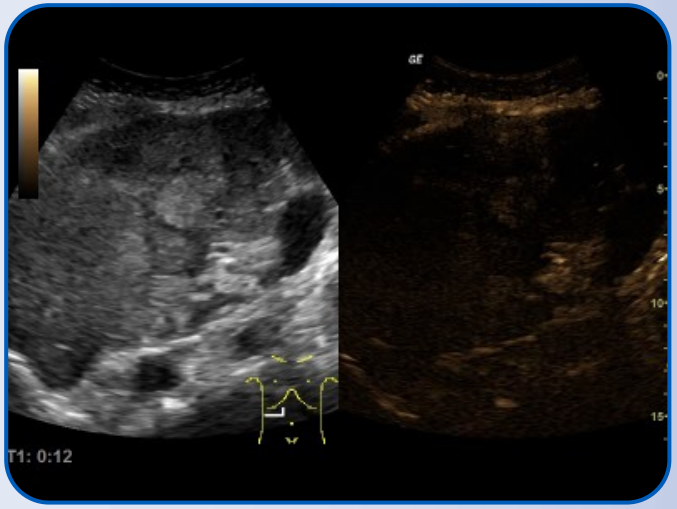



## Imaging Modes

- Dual or single display
- Hybrid contrast
- Accumulation

## Features

- Dual caliper, dual timer
- TIC Q-analysis package
- Retrospective/prospective storage
- One button background storage




Available for C1-5-RS (Abdominal studies)

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1. CEUS is not approved or cleared by the U.S. FDA.
2. Refer to the LOGIQ P9 brochure for a list of purchasable options.

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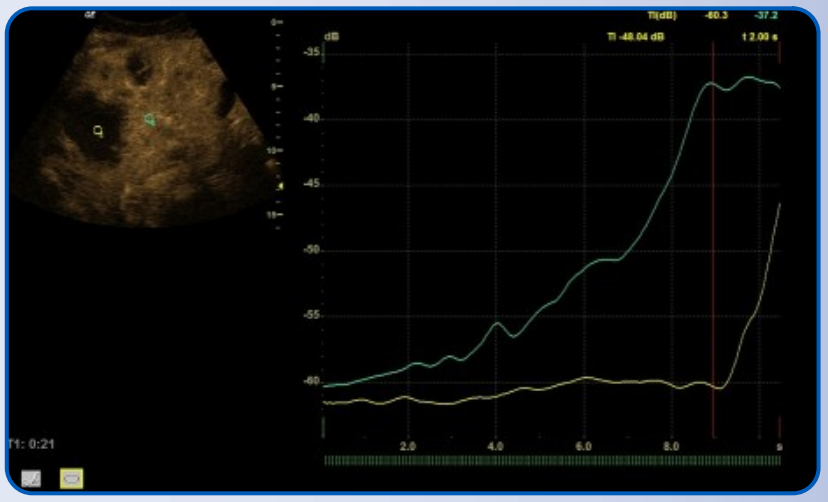
# Contrast Imaging[1,2]

Patient-Centric

## Time Intensity Curve (TIC)

- Raw data processing for Contrast uptake
- Q-Analysis of both compressed and uncompressed data
- Up to 8 selectable ROI's
- Up to 10 parameters
- Ellipsoid or manual ROI tracing
- Anchor tracking function
- Automated motion tracking
- Automatic enabling/disabling of frames
- Trace export in ASCII format




TIC/Q-Analysis

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1. CEUS is not approved or cleared by the U.S. FDA.
2. Refer to the LOGIQ P9 brochure for a list of purchasable options.

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# B-Flow™/B-Flow Color

Patient-Centric

## A GE innovation[1]

- Does not use Doppler processing
- Based on GE Patented coded technology
- Display real hemodynamics
- Direct visualization of blood reflectors

## True hemodynamics and anatomy

- Dynamic appearance of flow
- Minimal tissue overwrite compared to Color Flow
- Excellent control of flash artifacts compared to Color Flow
- Clearly visible background image
- Independent mode control

1. Refer to the LOGIQ P9 brochure for a list of purchasable options

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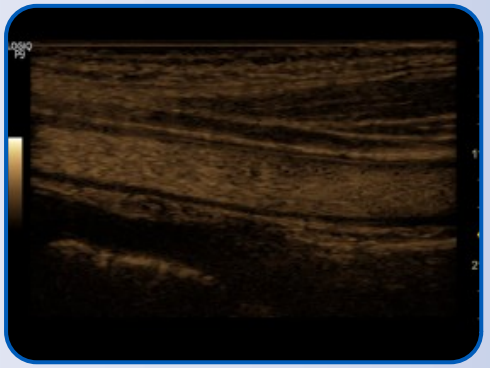
# B-Flow™/B-Flow Color

Patient-Centric

## Benefits over Doppler

- No tissue overwrite
- No impact on frame rate
- Less angle dependency
- High resolution Imaging
- Background image clearly visible



## Available on probes

LOGIQ P9

- 9L-RS
- 12L-RS
- ML6-15-RS
- L8-18i-RS

1. Refer to the LOGIQ P9 brochure for a list of purchasable options

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# Strain Elastography[1]

Patient-Centric

## Strain imaging technology requiring a light manual compression or patient breath to perform tissue deformation. A qualitative and Semi-Quantitative[2] solution.

### Highlights:

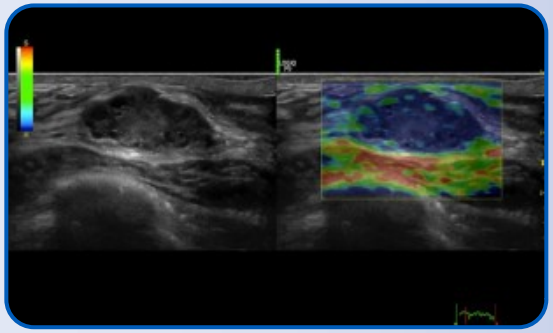
- High sensitivity and persistence
- Consistent pattern
- User selectable color maps
- Dual measurements
- User support by pressure quality bar and graph

This soft lesion deforms under pressure.

This hard lesion does not deform under pressure.

**Elasticity = Stress / Strain**

**Stress** = axial force applied to lesion
**Strain** = tissue deformation due to applied stress



### Available on the following probes:

LOGIQ P9

- C1-5-RS
- ML6-15-RS
- 9L-RS
- 12L-RS

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1. Refer to the LOGIQ P9 brochure for a list of purchasable options
2. Not cleared by the US FDA and not for sale is the USA

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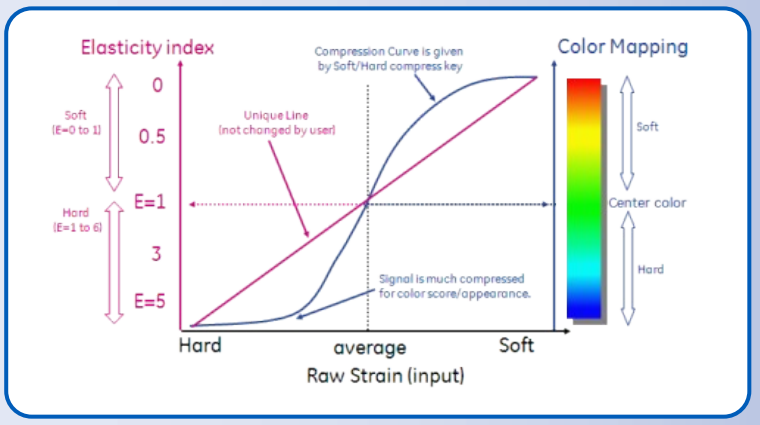
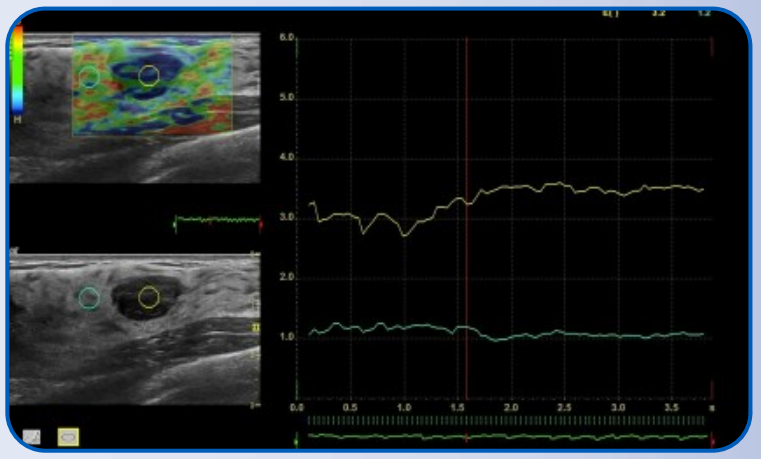
Patient-Centric

# Strain Elastography[1]
## Semi-Quantification[2]

### E-Index
- Selected ROI's elasticity value
- Round or manual tracing of ROI
- E-index range from 0 – 6
- Based on GE Raw Data processing




### E-Ratio
- Calculated E-Index between ROI's (up to 8)
- Representing relative stiffness



### Q-Analysis over multi-frame acquisition
- Automatic skip of low quality frames
- Anchor function
- Trace export in ASCII format

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1. Refer to the LOGIQ P9 brochure for a list of purchasable options
2. Not cleared by the US FDA and not for sale is the USA

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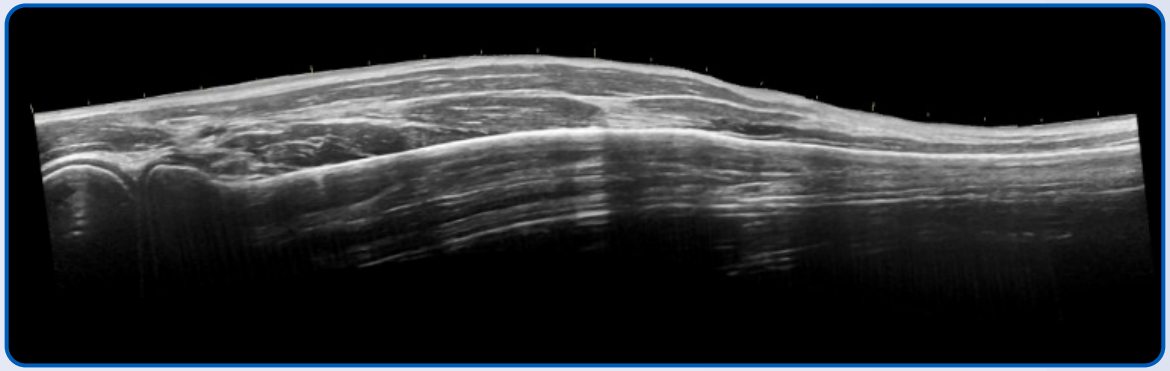
# LOGIQ View

Patient-Centric

## LOGIQ™ View[1] allows a real-time representation of long anatomical areas. (e.g. Achilles' Tendon)

- Available on all probes
- Combine with CrossXBeam™ at linear probe
- Auto detection of scan direction
- Up to 60 cm scan length



1. Refer to the LOGIQ P9 brochure for a list of purchasable options

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# 3D/4D Ultrasound[1]

## GE Volume Imaging with 3D/4D dedicated abdominal probe

Patient-Centric

### Highlights:

- Easy, quick, reproducible
- High volume data accuracy
- Comprehensive settings

### Volume Modes:

- Multi-planar Imaging
- Surface rendering
- TUI – Tomographic Ultrasound Imaging
- VCI – Volume Contrast Imaging
- Vocal– Volume Calculation

### Probes:

- RAB2-6-RS (Abdominal)

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1. Refer to the LOGIQ P9 brochure for a list of purchasable options

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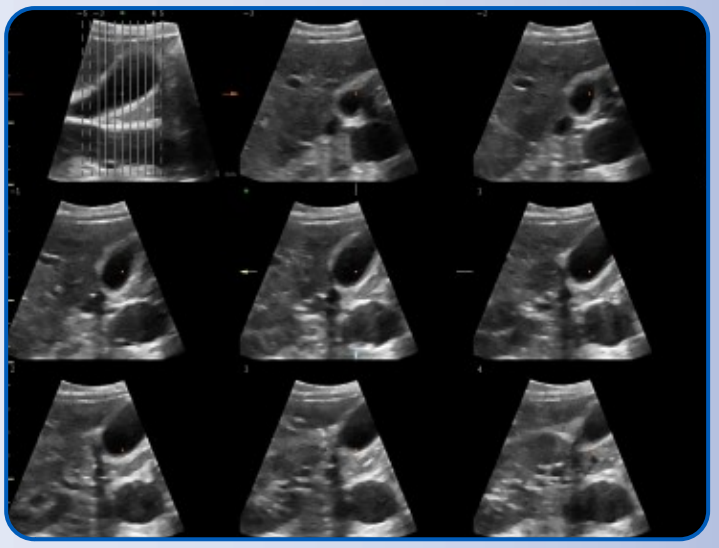
# 3D/4D Ultrasound[1]

## TUI–Tomographic Ultrasound Imaging

Patient-Centric

Visualization mode that presents data as parallel slices (planes) through acquired Volume dataset. It works with CFM/PDI and SRI-HD.



### Highlights:

- Information consistent to CT & MR format
- 3D static with Colour
- Up to 9 slices, with user selectable distance (min 0.5 mm, step by 0.1 mm) and angle
- Top left held as reference image
- Works with SRI

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1. Refer to the LOGIQ P9 brochure for a list of purchasable options

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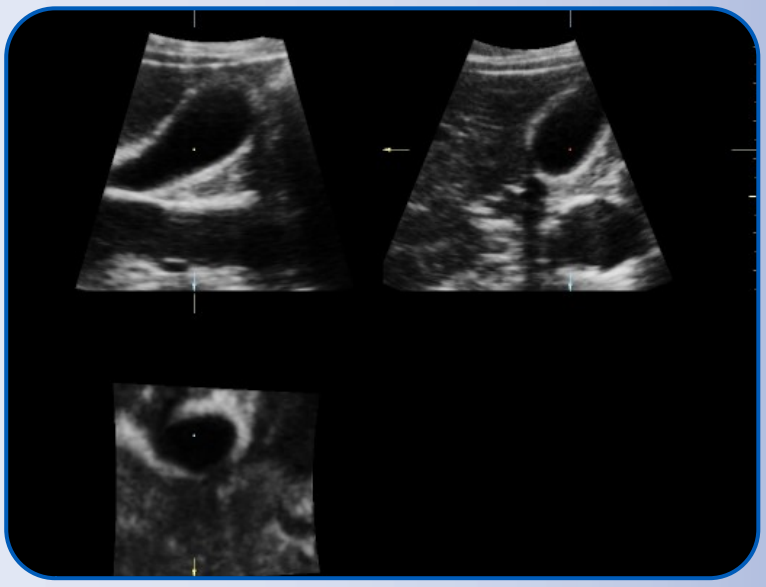
# 3D/4D Ultrasound[1]

## VCI – Volume Contrast Imaging

Patient-Centric

VCI is a volume acquisition technique enhancing B-Mode contrast resolution and speckle suppression.



### Highlights:

Help improve assessment of lesions size, margins and internal structures for comprehensive patient management.

1. Refer to the LOGIQ P9 brochure for a list of purchasable options

# 3D/4D Ultrasound[1]
## Vocal

Patient-Centric

Vocal is a 'Volume computer-aided analysis' based on a volume acquisition enabling fast and accurate volume calculations.

### Highlights:

- Manual, semi-automatic or automatic borders definition
- Basic measurements as length, angle and area
- Easy corrections and contour modifications
- Can be used with any lesion or volume to measure

1. Refer to the LOGIQ P9 brochure for a list of purchasable options

# Flow Quantification[1]

Patient-Centric

## 2D CFM/PDI Quantitative assessment of vascular feeding in a selected ROI

### Highlights:

- Consistent, repeatable and objective measurement
- Can help in treatment planning and monitoring protocols
- Provides data to support outcome measurements

### Features:

- Up to 8 selectable ROI's
- Analysis over 4/5 heart beat cycles
- Automatic or manual ROI tracing
- "Save ROI" feature for monitoring
- Manual disabling & enabling of frames
- Export traces in ASCII format

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1. Refer to the LOGIQ P9 brochure for a list of purchasable options

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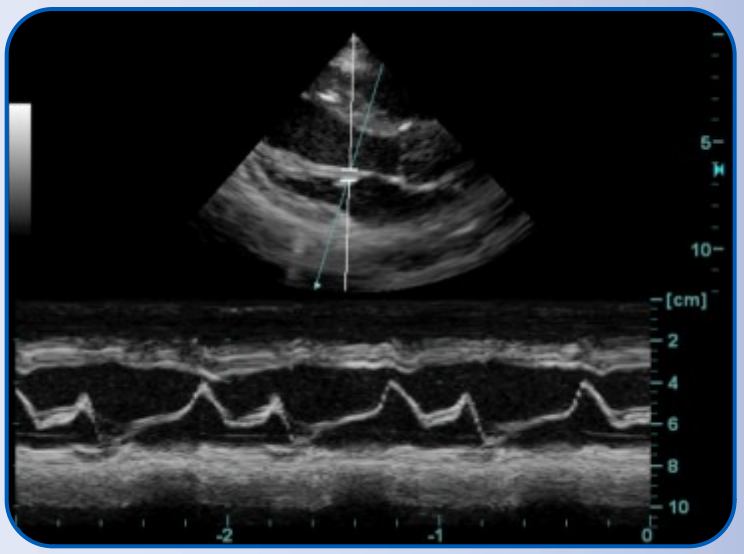
# AMM – Anatomical M-Mode[1]

Patient-Centric

- M-Mode cursor adjustable at any plane to be vertical to myocardium
- Compatible with
  - Live image
  - Stored image – Raw data
  - Color Flow Mode




**Evaluate heart function with additional data**

1. Refer to the LOGIQ P9 brochure for a list of purchasable options

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# Ergonomic Adaptable System[1]

Practical

USB ports (monitor side)

21.5" LCD monitor

10.4" LCD Touch Panel

USB ports (on the top of touch panel)

Rear handle

Gel warmer

Small physical footprint

4 active probe ports

1. Refer to the LOGIQ P9 brochure for a list of purchasable options

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# Ergonomic Adaptable System[1]

Practical

## Peripheral options

1. Refer to the LOGIQ P9 brochure for a list of purchasable options

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# Ergonomic Adaptable System

Practical

Rotate
+/– 30
degrees

Up/Down
810 – 910
mm

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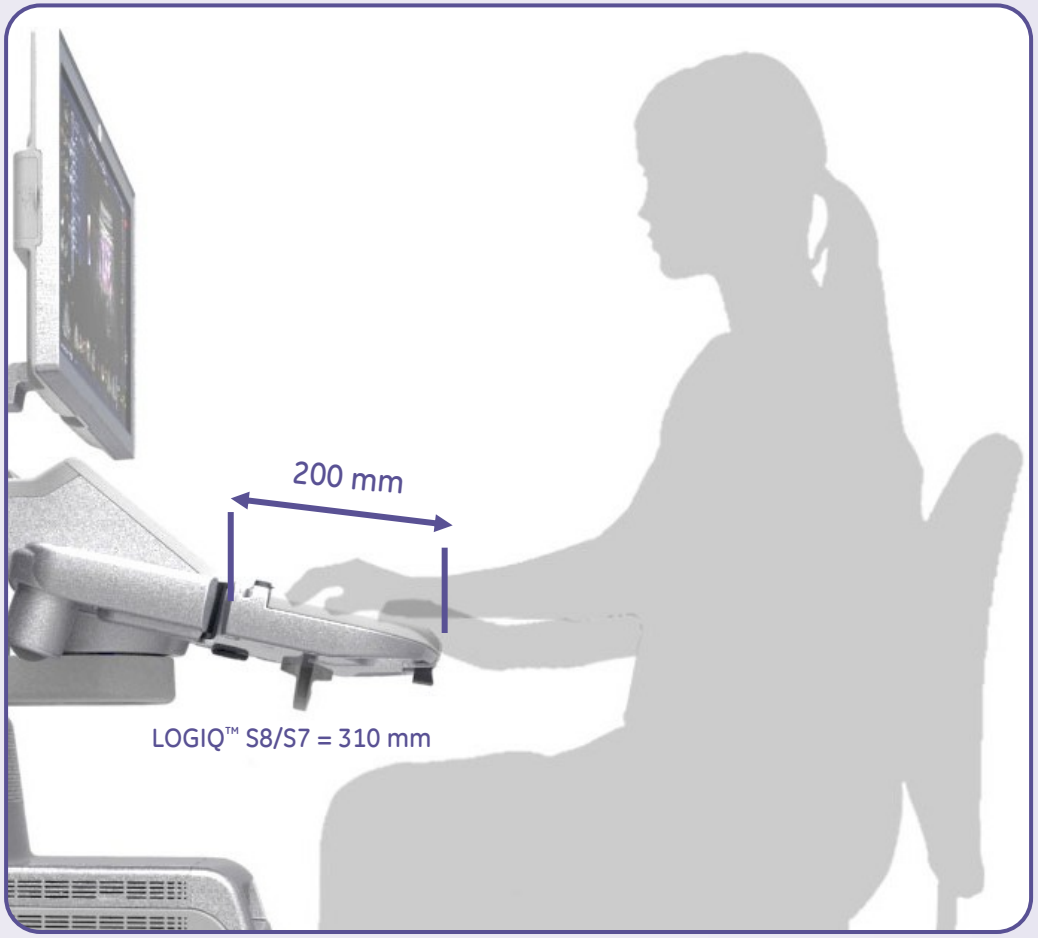
# Ergonomic Adaptable System

Practical



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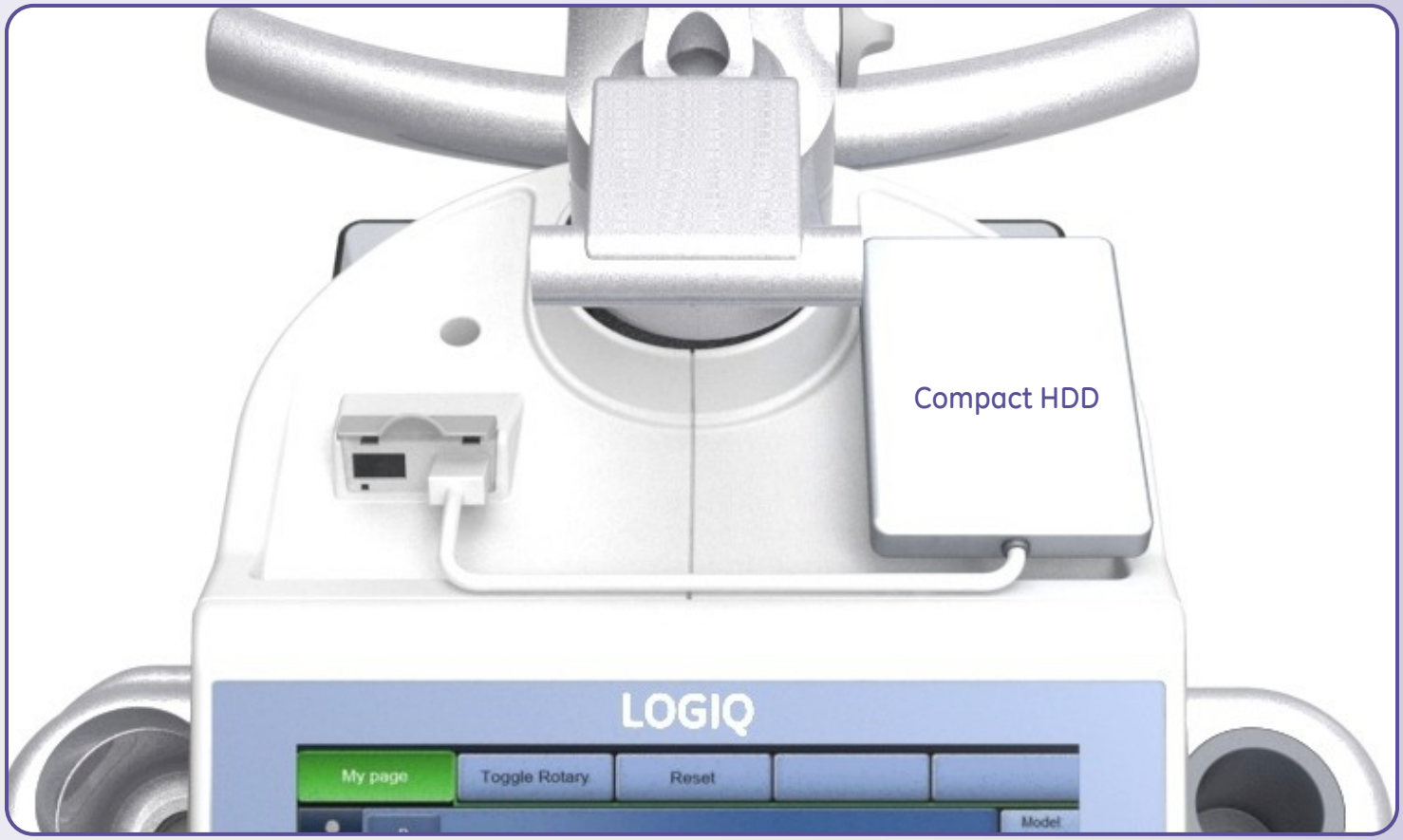
# Ergonomic Adaptable System

Practical

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# Intuitive interface

Practical

- LOGIQ™ design operator panel
- 10.4” touch screen with simplified User Interface
- User-friendly keys and backlight design

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# System adjustability

Practical

## LCD monitor with articulation arm:

# System adjustability

Practical

## Up and down:

# Compact

(Smaller than LP6 physical footprint 474 x 740)

# Connectivity

Practical

## Output Ports

- USB
- Composite
- HDMI
- S-Video
- Ethernet

## Network storage

- DICOM®
- SaveAs
- MPEGView
- Report Save As

DICOM is a registered trademark of the National Electrical Manufacturers Association.
Third party trademarks are the property of their respective owners.

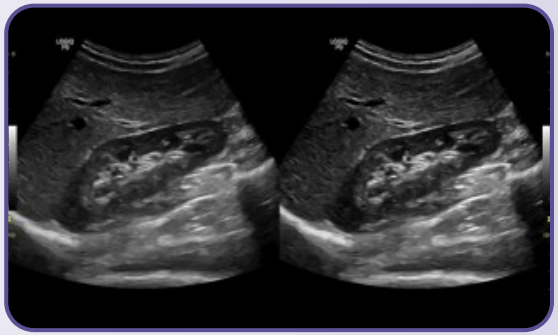
# Auto Optimization

Practical

## One Button Press

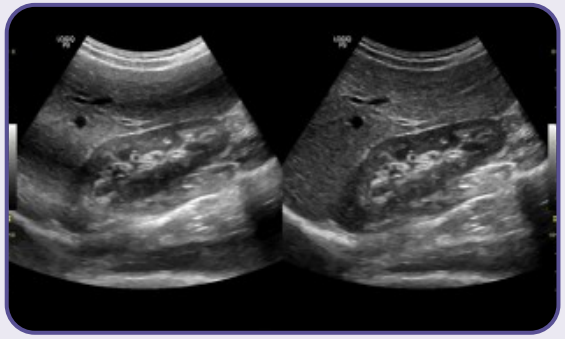
## ATO (Auto Tissue Optimization)

Optimize B-Mode image to help improve contrast resolution



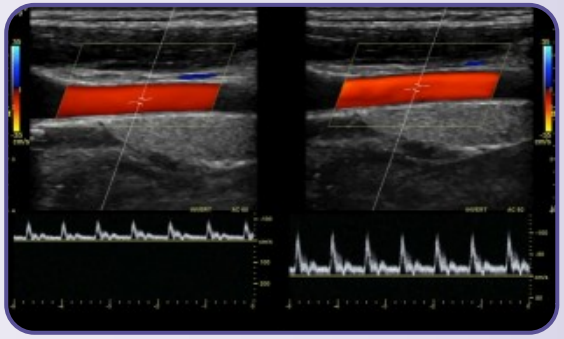
## Auto TGC

Continuous 2D auto TGC control



## ASO (Auto Spectral Optimization)

Baseline and Scale (PRF)



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# Scan Assistant[1]

Practical

- The personal assistant to user's exam
- Up to 63% time reduction[2]
- Up to 87% keystroke reduction[2]
- Help increase exam consistency
- Compatible with LOGIQ™ E9, LOGIQ S8 and LOGIQ S7 workflows

## Feature Highlights

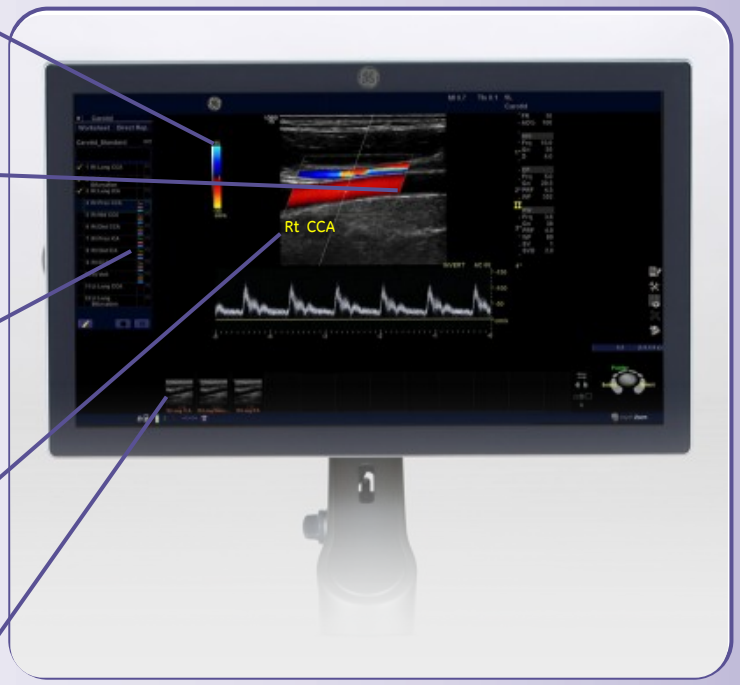
Initiates and completes user selected required measurements

Automatically steers Color Doppler

Automatically sets up Imaging controls and modes

Automatically inserts comments

Automatically reorders images to reader's preference




1. Refer to the LOGIQ P9 brochure for a list of purchasable options
2. Internal GE engineering study using standardized protocols for an abdominal exam compared with prior version GE LOGIQ P6 ultrasound system..

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Practical

# Compare Assistant[1]

## Help streamline comparison to prior exams

### Opportunity

Many ultrasound exams are follow ups to prior ultrasound or other modality exams.

### Goal

Drive productivity for acquiring and reading the exam by designing a workflow that uses prior exam data.

### Result

A quick image comparison or a replicated prior exam.

1. Refer to the LOGIQ P9 brochure for a list of purchasable options

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1. Refer to the LOGIQ P9 brochure for a list of purchasable options

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Practical

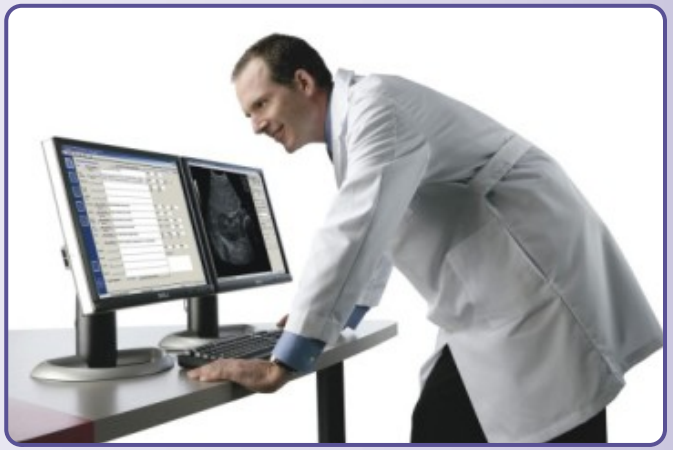
# Compare Assistant[1]

## Help streamline comparison to prior exams

### At the scanner...

- Easy access to past exam data on the scanner
- Side-by-side compare and store past exam image to today's image
- Set image setting of live scanning to match past exam image[2]
- Create entire new exam to match old exam

### At the reading station...



Help reduce the time spent to find, open, sort, compare to prior exams

1. Refer to the LOGIQ P9 brochure for a list of purchasable options
2. Automated when LOGIQ P9 data is used

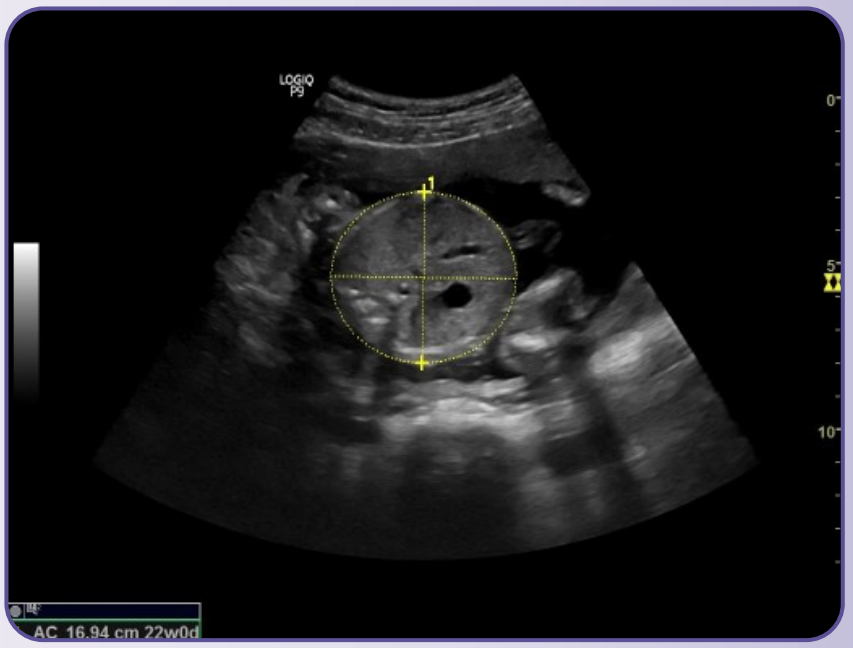
Practical

# Measure Assistant[1]

## Designed to work in OB exams

### In Scan Assistant:

- Freeze on anatomy
- Measurement auto applied
- Print to accept or easily edit if needed

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1. Refer to the LOGIQ P9 brochure for a list of purchasable options

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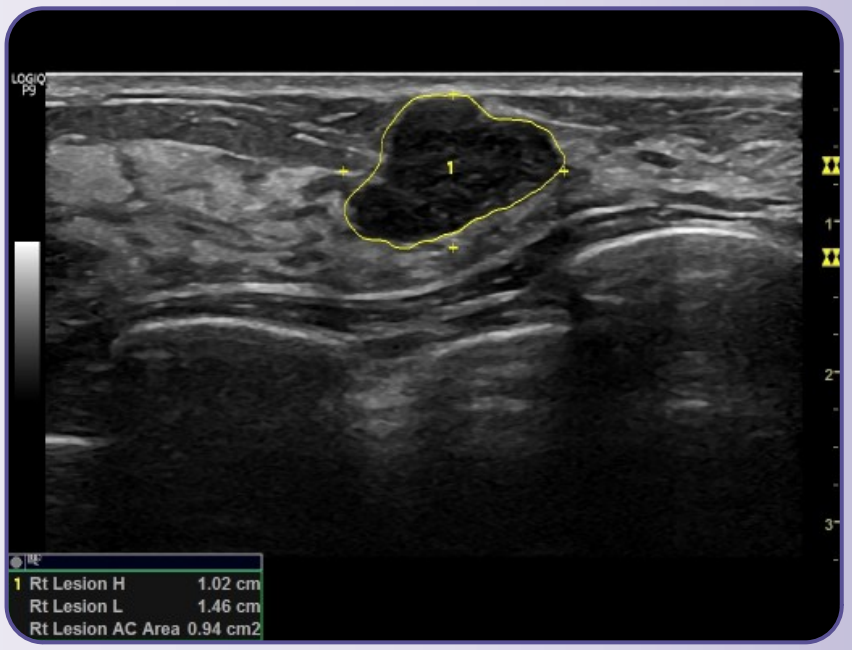
# Measure Assistant[1]

## Designed to work in breast exams

### Few simple steps to assist the user with breast measurements

- User bounds lesion with ROI
- System auto traces, generates height and width
- User prints to accept or easily edits as needed
- Messages on the status bar help guide the user

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1. Refer to the LOGIQ P9 brochure for a list of purchasable options

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# Breast Productivity[1]

## Measurement package

Practical

### A dedicated breast-specific measurement package that allows user to:

- Make labeling, measuring and describing lesion easy
- Leverage the BI-RADS® lexicon criteria/assessment
- Organizes multiple measurements into a convenient worksheet
- Send results via DICOM® SR

Directly from BI-RADS lexicon

Refer to the LOGIQ P9 brochure for a list of purchasable options

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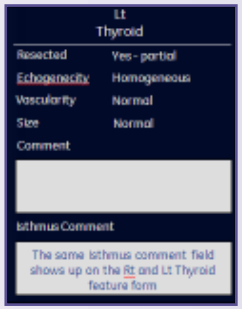
# Thyroid Productivity[1]

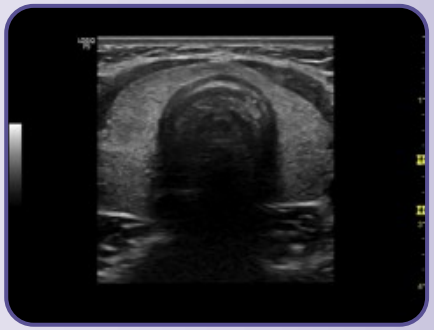
## Measurement package

Practical

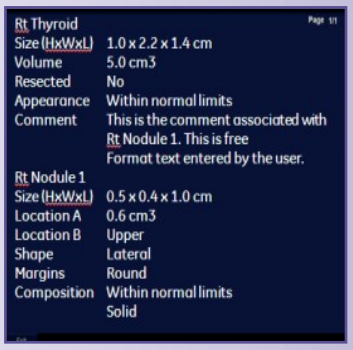
### Thyroid-specific measurement package

- Enables labeling, measuring and describing nodules, lymph nodes and parathyroids
- Multiple measurements can be organized into a convenient worksheet and sends results via DICOM® SR



Show features




Worksheet

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1. Please refer to the LOGIQ P9 brochure for a list of purchasable options

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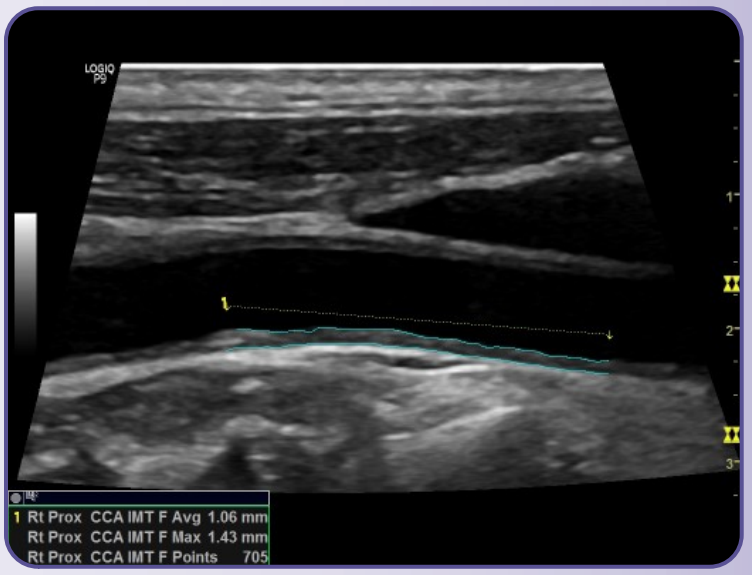
# Auto IMT[1]

Practical

## Auto IMT is an automated method of measuring the intima media thickness of the CCA or ICA from multiple samples across a user defined length.

- Simple and easy to operate
- Direct export of measurements to a worksheet and report page
- Including ECG trigger to help increase consistency
- Save offset distance and IMT measurement lengths to help increase reproducibility




**An efficient, reproducible method of carotid artery analysis**

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1. Refer to the LOGIQ P9 brochure for a list of purchasable options

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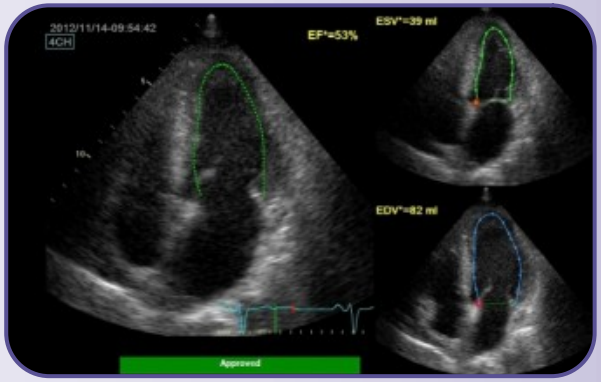
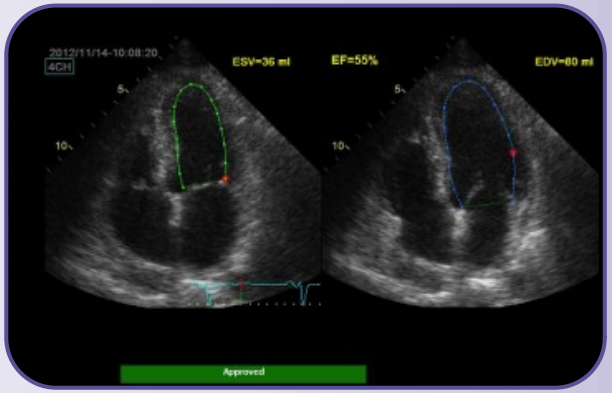
# AutoEF[1]

Practical

## Automated Ejection Fraction (AutoEF) is a semi-automatic measurement tool used for measurement of the global EF (Ejection fraction).

- The AutoEF tool tracks and calculates the myocardial tissue deformation based on feature tracking on
- B-Mode cine loops
- AutoEF is performed on either one or both apical
- 4-chamber or 2-chamber views, in any order
- Result is presented as Ejection Fraction value for each view and average Ejection Fraction for the whole LV. All values are stored to the worksheet after the results are approved

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1. Refer to the LOGIQ P9 brochure for a list of purchasable options

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# Power Assistant[1]

Practical

Power Assistant is an innovative solution that provides the system battery power during transport to help decrease system shut-down and reboot time – helping achieve excellent productivity for excellent portable exams.

## Highlights

- Prompt In & out of battery operation mode (lasting up to 20 min.) to help improve system's portability
- Simple plug in and out operation
- System safely shuts down automatically before battery runs out
- Wireless LAN capability

## Notes

- Scanning not available when in battery operation mode
- Battery charges only when system power is on

1. Refer to the LOGIQ P9 brochure for a list of purchasable options

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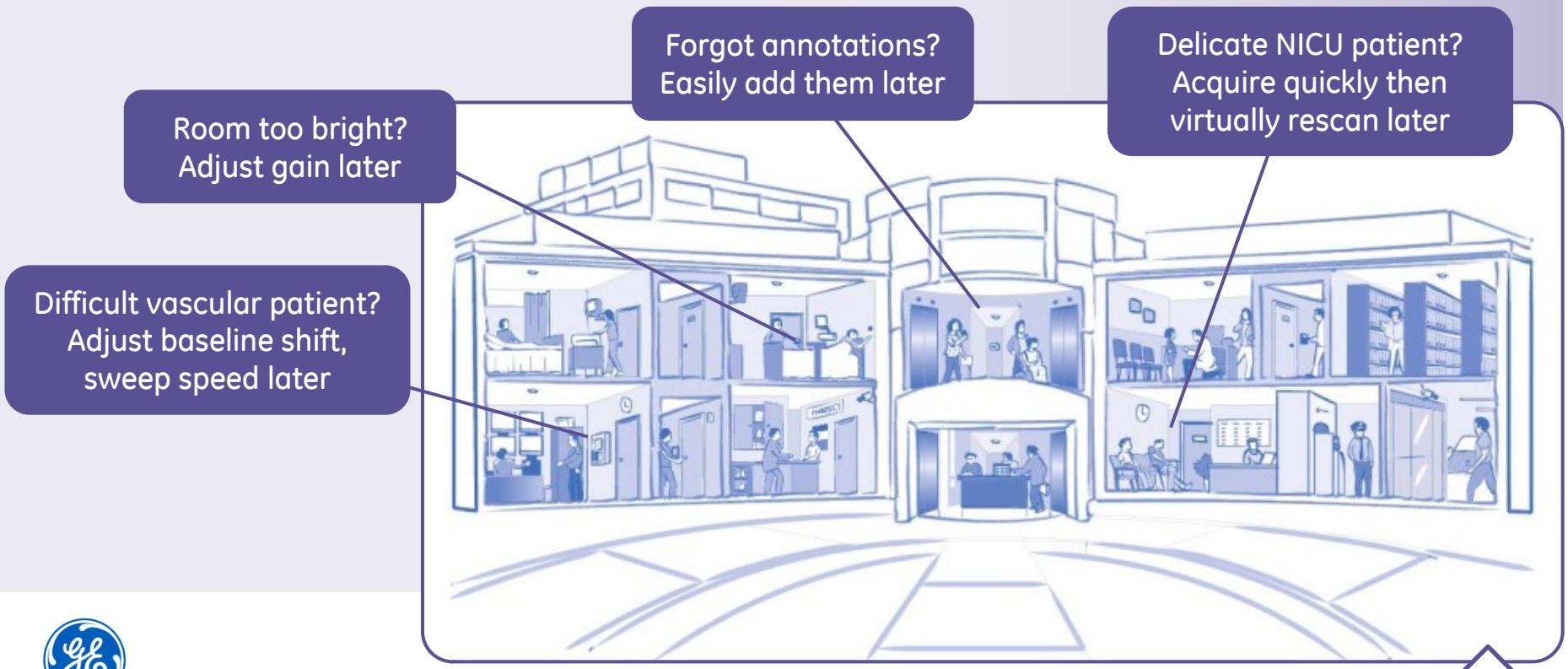
# Raw Data

## The foundation for simplified workflow

Practical

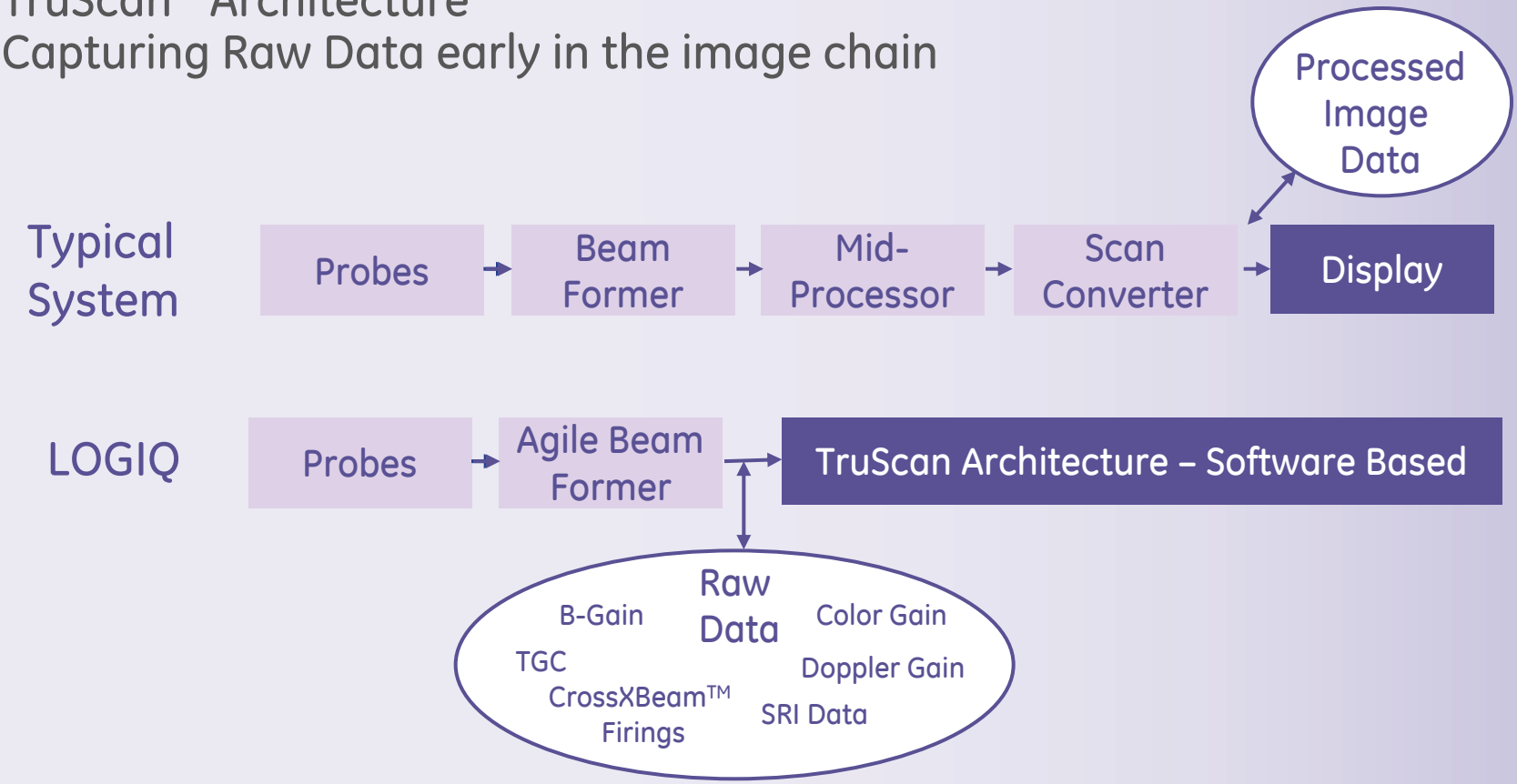
Raw Data capture enables to build a thorough exam while helping reduce scan time. This **proprietary Raw Data format** from GE Healthcare captures data earlier in the image processing chain enabling users to make changes to the data during or even after the exam has ended.



# Raw Data

## TruScan™ Architecture

## Capturing Raw Data early in the image chain




Raw Data processing with TruScan architecture enabling “Virtual Rescanning”

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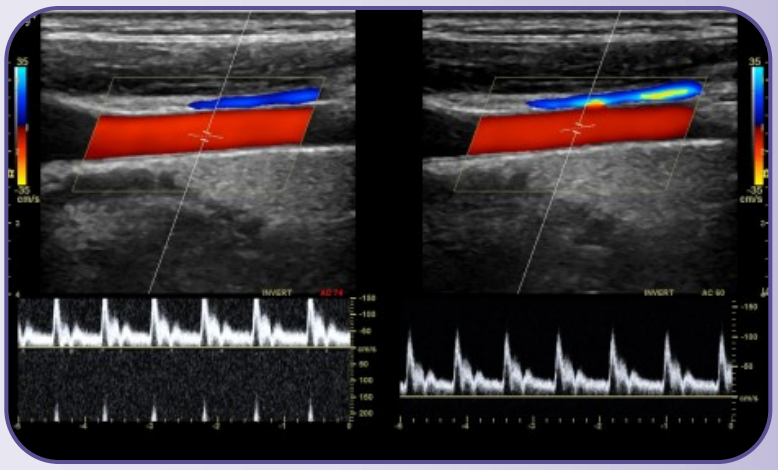
# Raw Data processing

Practical

Original Acoustic Data are stored before Scan Converting in a GE “Raw” format to be easily accessed and re-processed any time after the exam completion.



## Highlights:

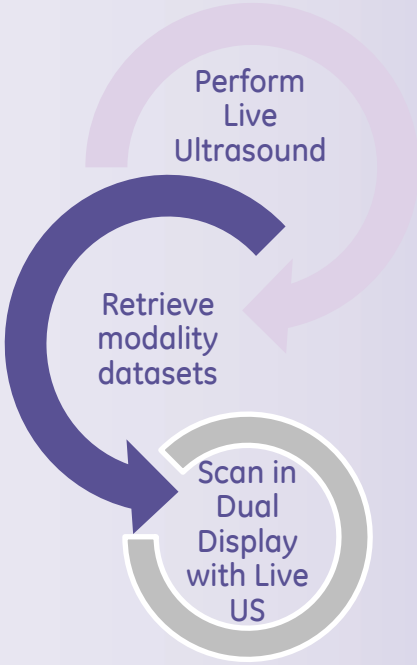
- Sub-optimal studies can be optimized
- Measurements can be re-done and reports regenerated
- All Imaging control parameters can be changed as:
  - B-Mode: Gain, DR, AO, Zoom, SRI…
  - CFM: Gain, Threshold, DualView…
  - PW: Baseline, Invert, Angle, Gain…

# Multi-modality Query Retrieve[1]

Practical

## Live Ultrasound comparison with retrieved CT or MRI Volume dataset

- Potential time saver
- Simplified workflow
- Complementarity of information
  - Volume data set retrieval
  - Select desired image plane by scrolling
- Helps improve diagnostic confidence




1. Refer to the LOGIQ P9 brochure for a list of purchasable options

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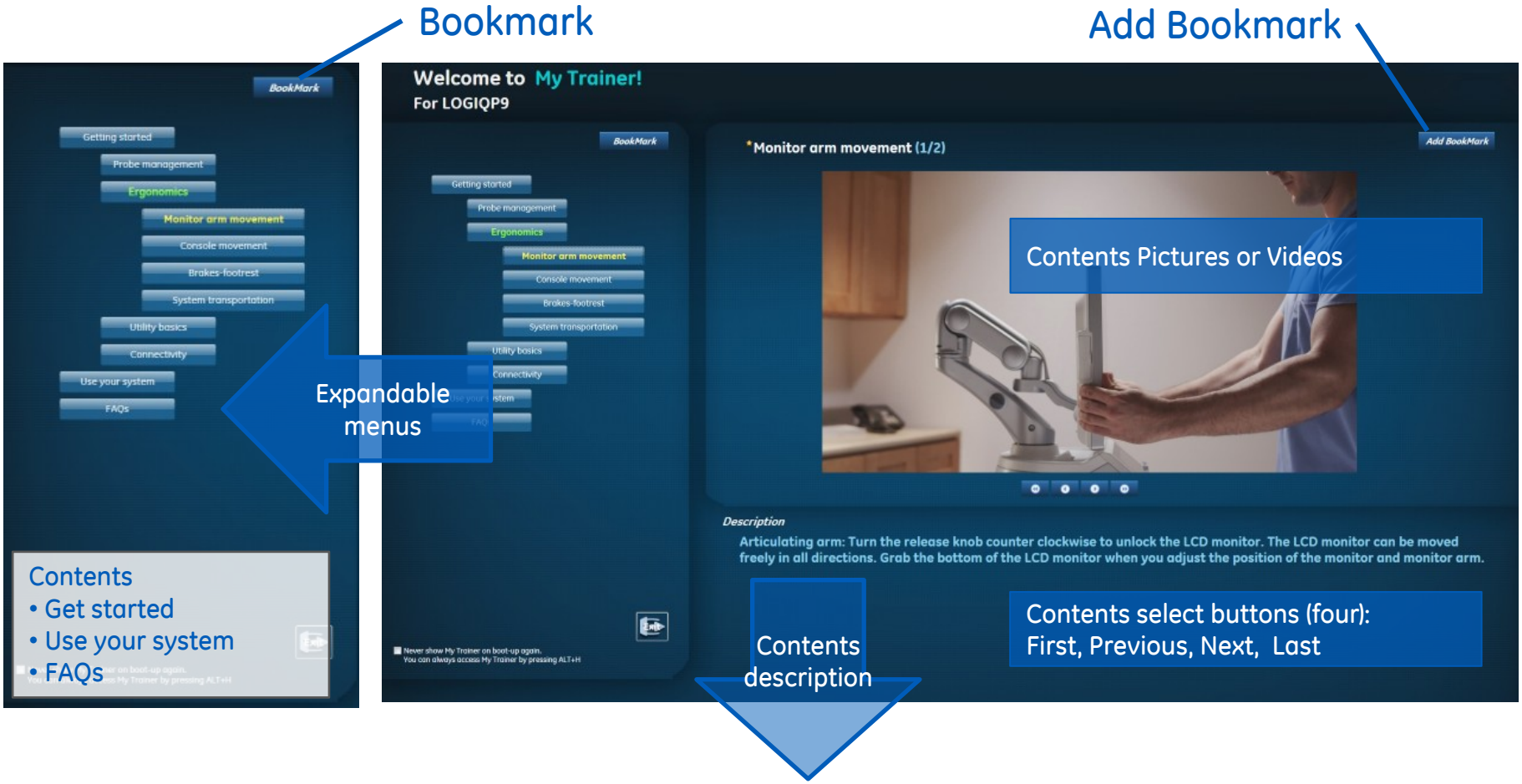
# My Trainer – on-board training modules




*Description*
Articulating arm: Turn the release knob counter clockwise to unlock the LCD monitor. The LCD monitor can be moved freely in all directions. Grab the bottom of the LCD monitor when you adjust the position of the monitor and monitor arm.

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# LOGIQ™ Club users community

www.LOGIQClub.net

## Access to the Club websites

- Local content and events
- Clinical in-person courses
- Application tips & tricks
- Publications, cases & papers
- Clinical cases & technical presentations
- Downloadable product educational materials and DVDs

## Personalized Mailings and Newsletters

Learn about new ultrasound products and software upgrades

## User Days and Lounges

- Learn best practices from specialists around the globe
- Discuss and exchange information with ultrasound users worldwide

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With three years of coverage[1], the LOGIQ™ P9 system helps provide you value and peace of mind right from the start.

LOGIQ P9 system is also empowered by InSite™* with Express Connection - GE Healthcare's innovative service technology for quick access to technical and clinical experts for personalized support.

## InSite with Express Connection enables:

- Proactive monitoring
- Real-time technical and application support**
- Problem diagnosis
- Fast repair of your equipment (more uptime)

1. Please refer to the LOGIQ P9 brochure for a list of purchasable options.
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