The Vivid iq excels in the following areas:

**Exceptional image quality** on the Vivid iq is created through the use of ultra definition clarity filtering and virtual apex (larger field-of-view) for the FPA probes.

**Coded Harmonics** – Produces excellent quality images from even difficult-to-image patients.

**Ease of use** features make Vivid iq an extremely productive cardiovascular ultrasound system.

The combination of the full touch screen control with a conventional user control panel provides intuitive controls, helping the operator maintain focus on the patient and the ultrasound images during the exam.

**Ease of use** for the operator in 2D imaging is provided by the GE’s exclusive technology delivering auto optimized excellent image quality with little manipulation along with automated tools like 2D auto EF and scan assist pro.

The touch gesture provides an extremely friendly user interface, making the Vivid iq an ease of use new generation product.

**Ergonomic** features include the ergonomically designed LCD monitor and view angle adjusting mechanism. This enables continuous view angle adjustment of the LCD monitor, allowing the user to move the LCD monitor much closer to the operator, enabling the user to view at an optimized angle for text and annotation typing. And the TrackPad design is also ergonomic.

The innovative cart provides adequate legroom for standing or sitting positions. It is very easy to lock the console on the cart and remove it. In addition, the new up-down mechanism provides very easy continuous height adjustment.

These ergonomic designs make the Vivid iq an extremely ergonomic-friendly cardiovascular ultrasound system.

**Portability** – The Vivid iq innovative compact design and touch user interface is ultraportable and light weight. This design combined with a flexible monitor design, enables easy transportation, typing and promotes scanning at the patient site. The battery option provides additional scanning time without a power supply and also allows quick boot up time from standby mode.

Additionally, the Vivid iq uses the proven raw data format technology that allows for advanced processing on archived images by applying many of the same scan controls and advanced quantitative tools as are available during the original exam.

**General Specifications**

**Dimensions and Weight**
- Height: 64 mm (2.5")
- Width: 390 mm (15.35")
- Depth: 362 mm (14.25")
- Weight with battery: 5.2 kg (11.5 lbs)

**Electrical Power**
- Voltage: 100-240 VAC
- Frequency: 50/60 Hz
- Power: max. 130 VA

**Operating System**
- Windows® 7

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**Product Description**

The Vivid™ iq combines the proven high performance of the Vivid product line with a new and innovative portable laptop. The Vivid iq is a comprehensive digital color flow Doppler ultrasound system. It is designed for cardiac and shared service imaging with support for the following clinical applications: cardiac, transesophageal, peripheral vascular, adult cephalic, neonatal cephalic, musculoskeletal conventional, musculoskeletal superficial, transcranial and transvaginal applications.

**System Architecture**

GE’s exclusive, patented, beamforming technology provides the power for this multi-purpose ultrasound system. Using both coherent and harmonic image processing, the system provides computational power, ease of imaging, workflow flexibility and product upgradeability.
Console Design

- Laptop style
- ECG port
- Integrated solid state drive
- Multiple USB ports (front/back)
- Integrated speakers for premium sound
- CPU – Intel duo core
- DC power input
- USB interface (5)
- HDMI interface
- ECG
- LAN 10/100/1000 base

Cart Dimension

- Height: 835 - 1115 mm (32.9" - 43.9")
- Width: 524.9 mm (20.7")
- Depth: 552.3 mm (21.7")
- Weight: 41 kg (90 lbs.)

Cart Design

- Three USB ports
- Six probe holders
- Four probe cable hooks
- Charge box (optional) – to charge up to three batteries and to scan more than 180 min with four fully charged batteries
- Multi-probe box (optional) – three RS, one DLP to support 6VT-D

User Interface

Operator Panel

- Innovative track pad design – same intuitive functionality as track ball
- Ergonomic simplified hard key layout with ergonomic design around the track pad
- Interactive back-lighting of application-specific push buttons – adjustable back-light intensity
- Easy-to-learn user interface with intelligent touch keyboard
- Image manager on the touch screen for quick review of image clipboard contents

Touch Screen

- Full touch ability
- 15.6" ultra-high-resolution, wide screen format, color, multi-touch LCD screen
- Interactive user-configurable short-cut software menu
- Application-specific operator touch menu controls operated by finger and swiping
- Application-specific side bar touch menu controls operated by finger and swiping
- Overall gain, depth and zoom control bar on the touch for easy adjustment
- Touch-screen control of TGC sliders

Display Monitor

- 15.6" wide screen full High-Definition (HD) flicker-free LCD display with full touch ability
- Ergonomic FlexFit design with adjustable typing angle and flexible view angle
- Resolution: 1920 x 1080 pixels, full HD
- Fold down and lock mechanism for transportation
- Screen can be adjusted in different angles for scanning mode, typing mode and closing, allowing to optimize the viewing angle in each position
- Backlight adjustable

System Overview

Applications (probe dependent)

- Cardiac
- Transesophageal
- Peripheral vascular
- Fetal/OB
- Abdominal adults
- Pediatric
- Small organ
- Neonatal cephalic
- Adult cephalic
- Musculoskeletal conventional
- Musculoskeletal superficial
- Transcranial
- Transrectal
- Transvaginal

Operating Modes

- 2D tissue
- 2D color flow
- 2D angio flow
- Color M-mode
- Tissue velocity M-mode
- Continuous wave Doppler
- Tissue M-mode
- Pulsed wave Doppler
- Anatomical M-mode
- Tissue velocity imaging
- Tissue tracking
- Tissue velocity Doppler
- Blood flow imaging
- B-flow
- 2D stress
- Auto EF
- Virtual convex
- Virtual apex
- Coded phase inversion
- Compound imaging

Scanning Methods

- Electronic sector
- Electronic convex
- Electronic linear
- CW pencil

Transducer Types

- Sector phased array
- Convex array
- Linear array

Peripheral Options

- DVDRW
- Color video printer
- B/W video printer
- Eight GB memory stick
- One TB USB hard drive
- HDMI cable
• Three-pedal configurable footswitch
• Rolling bag

Accessories (options)
• Interface cable for external ECG
• ECG adapter for DIN-type pediatrics electrode leads

Display Modes
• Live and stored display format: full size and split screen, both with thumbnails, for still and cine
• Instant-review screen displays 12 simultaneous loops/images for a quick study review
• Selectable display configuration of duplex and triplex modes: side-by-side or top-bottom during live, digital replay and clipboard image recall
• Single-, dual- and quad-screen view
• Simultaneous capability
  - 2D + PW/CW
  - 2D + CFM/TVI + PW
  - 2D + CFM + CW
  - 2D + CFM/Angio/TVI/SRI/TT/SI/TSI
  - 2D + M/AMM/CAMM
  - 2D + CFM/Angio/TVI/SRI/TT/SI/TSI + M/AMM/CAMM
  - Real-time duplex or triplex mode
  - Compound + M/CFM/PW
  - 2D + color split screen (simultaneous mode)
• Selectable alternating modes
  - 2D or compound + PW
  - 2D + CW
  - 2D or compound + CFM/PW
  - 2D + CFM + CW
• Multi-image (split/quad screen)
  - Live and/or frozen
  - Independent cine playback
• Timeline display
  - Independent 2D (or compound) + PW/CW/M display
  - A choice of display formats with various sizes of 2D + PW/CW/M
• Top/bottom selectable format
• Side/side selectable format

Display Annotation
• Patient name
• Patient ID
• Age, sex and birth date
• Hospital name
• Date format: two types selectable – MM/DD/YY, DD/MM/YY
• Time format: two types selectable – 24 hours, 12 hours
• Gestational age from LMP/EDD/GA
• Probe name
• Map names
• Probe orientation
• Depth scale marker
• Focal zone markers
• Image depth
• Zoom depth
• B-mode
  - Gain
  - Imaging frequency
  - Frame averaging
• M-mode
  - Gain
  - Frequency
  - Time scale
• Doppler mode
  - Gain
  - Angle
  - Sample volume size and position
  - Wall filter
  - Velocity and/or frequency scale
  - Spectrum inversion
• Time scale
  - PRF
  - Doppler frequency
• Color flow Doppler mode
  - Frame rate
  - Sample volume size
  - Color scale
  - Power
  - Color baseline
  - Color threshold marker
  - Color gain
• Spectrum inversion
• Acoustic frame rate
• CINE gauge, image number/frame number
• Bodymarks: multiple human anatomical structures
• Application/preset name
• Measurement results
• Operator message
• Displayed acoustic output
  - TIS: Thermal Index Soft Tissue
  - TIC: Thermal Index Cranial (Bone)
  - TIB: Thermal Index Bone
• MI: Mechanical Index
• Power output in dB
• Biopsy guide line and zone
• Heart rate
• TrackPad-driven annotation arrows
• Active mode display
• Stress protocol parameters
• Parameter annotation follow ASE standard
• Free text with word library
• Scan plane position indicator and probe temperature are displayed with all TEE probes
• Image orientation marker

General System Parameters

System Setup
• Pre-programmable M&A and annotation categories
• Different user presets per probe/application may be stored for quick access
• User programmable preset capability with administrator preset protection
• Factory default preset data, protected against modification
• User-defined annotations
• Body patterns
• Customized comment home position
**Comprehensive User Manual Available on Board**

User manual and service manual are included on DVD disk with each system. A printed user manual is provided.

**Memory/Image Memory**
- Two GB of cine memory
- Selectable cine sequence for cine review
- Measurements/calculations and annotations on cine playback
- Scrolling timeline memory
- Dual-image cine display
- Quad-image cine display
- CINE indicator and cine image number display
- CINE review loop
- CINE review speed

**Image Storage**
- On-board database of patient information from past exams
- User-selectable ECG and time gated acquisition available on touch panel during live scanning
- User-selectable prospective or retrospective capture in config

**Storage formats:**
- DICOM*-compressed or uncompressed, single/multi-frame, with/without raw data, storage via clipboard and/or seamlessly directly to destination device
- Transfer/"Save As" JPEG, MPEG, AVI formats

**Storage devices (optional):**
- USB memory stick: eight GB
- CD-RW storage: 700 MB (DVD option required)
- DVD storage: -RW (4.7 GB)
- Hard drive image storage: one TB

**Compare previous images with current exam**
**Reload of archived data sets**

**Connectivity and DICOM (optional)**
- Ethernet network connection
- DICOM 3.0
- Verify
- Print
- Store
- Modality worklist
- Storage commitment
- Modality Performed Procedure Step (MPPS)
- Media exchange
- DICOM spooler
- DICOM query/retrieve
- Structured reporting – compatible with adult cardiac and vascular
- Media store of structured reporting
- InSite™ ExC capability for remote service/access
- Support of two patients’ IDs in DICOM
- Separate DICOM SR and image storage destinations
- Simultaneous transfer of DICOM to multiple destinations

**Image and Data Management**
- Exceptional workflow with instant access data management
- DICOM 3.0 support – see DICOM conformance statement for details
- Support for transfer of the proprietary raw data files within the DICOM standard
- 2D, CFM or TVI data at maximum frame rate may be reviewed by scrolling or by running cine loops (can contain more than 1000 images for imaging modes)
- Image clipboard for stamp-size storage and review of stored images and loops
- Built-in patient archive with images/loops, patient information, measurements and reports
- DICOM-SR Standard structured reporting mechanism
- Structured findings report tools support efficient text entries with direct editing of findings text, usability improvements, new configuration options and conclusion section
- User can enter normal values which are then compared to actual measurements
- Configurable HTML-based report function
- Report templates can be customized on board
- ASE-based default text modules (English), user-customizable
- Internal archive data can be exported to removable image storage through DICOM media
- Internal hard disk – for storing programs, application defaults, ultrasound images and patient archive
- All data storage is based on ultrasound raw data, allowing to change gain, baseline, color maps, sweep speeds, etc., for recalled images and loops
• DICOM media – read/write images on DICOM format
• DICOM viewer embedded on media (optional and selectable in Config)
• Alphanumeric data can be exported in XML format
• JPEG export ("Save As") for still frames
• AVI and MPEG export ("Save As") for cineloops

Self-contained DICOM Viewer
• File transfer enables the customer (biomed or clinician) to directly transfer system information (e.g., system logs, images, parametric data) to GE product engineering teams (no patient data transferred)
• Software reload provides remote application reconstruction and recovery capabilities in the event of system corruption

Evue/MPEGvue (optional)
• Allows interactive viewing of images, loops or full exams
• Using MPEGvue, exams may be stored onto removable media or on a remote networked sys-
	tem together with an integrated MPEGvue player for viewing on standard PC

Self-contained DICOM Viewer (optional)
• Exams can be transferred to CD/DVD or USB media with an integrated "EZ DICOM CD viewer™"
• Self-contained "EZ DICOM CD viewer™" allows review of exams from media on a standard PC without installing anything on the host

Insite™ Express Connection (ExC) Enables Remote Service and Training
• Easy, flexible and secure connectivity configuration. The "Contact GE" on-screen button directly generates a real-time service request to the GE online engineering or application specialist. It takes a snapshot (e.g., error logs, setup files) of the system at the time of the service request to enable analysis of problem before customer contact
• Virtual Console Observation (VCO) enables the customer to allow desktop screens to be viewed and controlled remotely over the encrypted tunnel to enable real-time training, device configuration and clinical application support
• Operation of Insite Express Connection is dependent on the infrastructure being available – check with your local GE service representative

Tissue Imaging

Scanning Parameters
• Digital beamformer with up to 974,026 effective digital channels
• Minimum field-of-view range (depth): 1 cm (probe dependent)
• Maximum field-of-view range (depth): 33 cm (probe dependent)
• Width range: 10° – 168° (probe dependent)
• Continuous dynamic receive focus/continuous dynamic receive aperture
• Adjustable dynamic range, infinite upper level
• Image reverse: right/left
• Image rotation of 0°, 180°

General
• Variable transmit frequencies for resolution/penetration optimization
• Display zoom with zoom area control
• High-Resolution (HR) zoom – concentrates all image acquisition power into selected Region of Interest (ROI)
• Variable contour filtering – for edge enhancement
• Depth range up to 30 cm – probe specific
• Selectable grayscale parameters: gain, reject, DDP, clarity, dynamic range and compress – can be adjusted in live, digital replay and image clipboard recall (probe dependent)
• Automatically calculated TGC curves reduce operator interaction

2D Mode
• Sector tilt and width control
• Frame rate in excess of 1000 fps, depending on probe, settings and applications
• Coded octave imaging with coded phase inversion – 3rd generation harmonic tissue imaging providing improved lateral and contrast resolution over conventional fundamental imaging. Features help reduce noise, improve wall definition, and axial resolution, making it well suited for a wide variety of patient groups
• Automatic tissue optimization – single keystroke optimizes immediately automatically and dynamically different grayscale settings with the goal of signal independent uniform gain and contrast distribution
• UD clarity and UD speckle reduce imaging – an advanced image processing technique to remove speckle in real-time examining the relative difference between neighboring pixel values and determining whether the grayscale variations have a sharp difference, follow a trend, or are random in nature
• Multiple-angle compound imaging – multiple co-planar images from different angles combined into a single image in real-time to help enhance border definition and contrast resolution, as well as reduce angular dependence of border or edge as compared to no-compound imaging
• Virtual convex provides a wider field-of-view with linear probes, effective at certain imaging views where a wide far field may be preferred
• Virtual apex provides a wider field-of-view with phased array probes, effective at certain imaging views where a wide near field may be preferred
• L/R and up/down invert, in live, digital replay or image clipboard recall

Vivid iq product datasheet – August 2016 – DOC 1887675
• Digital replay for retrospective review or automatic looping of images, allowing for adjustment of parameters such as gain, reject, anatomical M-mode, persistence and replay speed
• Data dependent processing performs temporal processing which helps reduce random noise but leaves motion of significant tissue structures largely unaffected – can be adjusted even in digital replay
• 256 shades of gray
• Colorized 2D-mode, user-selectable in real-time, digital replay

M-mode
• TrackPad steers M-mode line available with all imaging probes – max steering angle is probe dependent
• Simultaneous real-time 2D- and M-mode
• M-mode PRF 1 kHz – image data acquired is combined to give high-quality recording regardless of display scroll speed
• Digital replay for retrospective review of spectral data
• Several top-bottom formats, side-by-side format and time-motion-only format – can be adjusted in live or digital replay
• Selectable horizontal scroll speed: 1, 2, 3, 4, 6, 8, 12, 16 seconds across display
• Horizontal scroll can be adjusted in live or digital replay

Anatomical M-mode
• M-mode cursor can be adjusted at any plane
• Curved anatomical M-mode – free (curved) drawing of M-mode generated from the cursor independent from the axial plane
• Can be activated from live, digital replay or image clipboard recall
• Anatomical color and tissue velocity M-mode
• M&A capability

Color Doppler Imaging
General
• Steerable color Doppler available with all imaging probes – max steering angle is probe dependent
• TrackPad-controlled ROI
• Touchscreen-controlled ROI
• Removal of color map from the tissue during digital replay
• Digital replay for retrospective review of color or color M-mode data allowing for adjustment of parameters such as encoding principle, color priority and color gain even on stored data
• PRF settings – user-selectable
• Advanced regression wall filter gives efficient suppression of wall clutter
• For each encoding principle, multiple color maps can be selected in live and digital replay – variance maps available
• More than 65,000 simultaneous colors processed, providing a smooth display two-dimensional color maps containing a multitude of color hues
• Simultaneous display of grayscale 2D and 2D with color flow
• Color invert – user-selectable in live and digital replay
• Variable color baseline – user-selectable in live and digital replay
• Multi-variate color priority function gives delineation of disturbed flows even across bright areas of the 2D-mode image
• Color Doppler frequency can be changed independently from 2D

Color Angio
• Angle-independent mode for visualization of small vessels with increased sensitivity compared to standard color flow of previous GE products

Color M-mode
• Variable ROI length and position – user-selectable
• User-selectable radial averaging to help reduce statistical uncertainty in the color velocity and variance estimates
• Selectable horizontal scroll speed: 1, 2, 3, 4, 6, 8, 12, 16 seconds across display – can be adjusted during live, digital replay or image clipboard recall
• Real-time 2D image while in color M-mode
• Same controls and functions available as in standard 2D color Doppler

Color Flow Imaging
• TruSpeed imaging allows either ultra-high frame rate or increased lateral resolution as compared to previous generation GE products
• Frame rate in excess of 700 (it is 400 on 12S-RS) fps, depending on probe and settings
• Variable ROI size in width and depth
• User-selectable radial and lateral averaging to help reduce statistical uncertainty in the color velocity and variance estimates
• Data Dependent Processing (DDP) performs temporal processing and display smoothing to help reduce loss of transient events of hemodynamic significance
• Digital replay for retrospective review or automatic looping of color images, allowing for adjustment of parameters such as DDP, encoding principle, baseline shift, color maps, color priority and color gain even on frozen/recalled data
• Application-dependent, multi-variate motion discriminator helps reduce flash artifacts
• Dedicated coronary flow application
• Multiple-angle compound imaging in 2D mode is maintained while in color Doppler mode
Anatomical Color M-mode
- GE-patented, any plane color M-mode display derived from color Doppler cine loop
- Also applicable to tissue velocity Imaging
- M&A capability

B-flow
- B-flow is a digital imaging technique that provides real-time visualization of vascular hemodynamics by directly visualizing blood reflectors and presenting this information in a grayscale display
- Use of GE-patented techniques to boost blood echoes, and to help preferentially suppress non-moving tissue signals
- B-flow is available for most vascular and shared service applications

Blood Flow Imaging
- Combines color Doppler with grayscale speckle imaging
- Helps improve delineation of blood flow without bleeding into tissue or vessel wall

Blood Flow Angio Imaging
- Combines angio with grayscale speckle imaging

Tissue Velocity Imaging
Tissue Velocity Imaging Mode
- Myocardial Doppler imaging with color overlay on tissue image
- Tissue Doppler data can be acquired in background during regular 2D imaging
- The velocity of myocardial segments after entire heart cycle can be displayed in one single image
- Tissue color overlay can be removed to show just the 2D image, still retaining the tissue velocity information
- Quantitative profiles for TVI, tissue tracking, strain and strain rate can be derived
- Time markers for valve events derived from any TM mode help simplify understanding of signals in velocity traces or curved anatomical M-mode

Tissue Tracking Mode
- Real-time display of the time integral of TVI for quantitative display of myocardial systolic displacement
- Myocardial displacement is calculated and displayed as a color-coded overlay on the grayscale and M-mode image – different colors represent different displacement ranges

Spectral Doppler
General
- Operates in PW, HPRF and CW modes
- TrackPad steerable Doppler available with all imaging probes – max steering angle is probe dependent
- Selectable Doppler frequency for enhanced optimization
- High-quality, real-time duplex or triplex operation in all Doppler modes, CW and PW, and for all velocity settings
- Frame rate control for optimized use of acquisition power between spectrum, 2D and color Doppler modes in duplex or triplex modes
- Very fast and flexible spectrum analysis with an equivalent DFT rate of 0.2 ms
- Automatic Spectrum Optimization (ASO) provides a single press, automatic, real-time optimization of PW or CW spectrum scale, and baseline display
- Dynamic gain compensation for display of flows with varying signal strengths over the cardiac cycle to help improve ease of use
- Dynamic reject gives consistent suppression of background – user-selectable in real-time, digital replay or image clipboard recall
- Digital replay for retrospective review of spectral Doppler data
- Several top-bottom formats, side-by-side format and time-motion-only format – can be adjusted in live or digital replay
- Selectable horizontal scroll speed: 1, 2, 3, 4, 6, 8, 12, 16 seconds across display – can be adjusted in live or digital replay
- Adjustable spectral Doppler display parameters: gain, reject, compress, color maps – can be adjusted in live or digital replay
- User-adjustable baseline shift – in live, digital replay and image clipboard recall
- Adjustable velocity scale
- Wall filters with range 10-2000 Hz (velocity scale dependent)
- Angle correction with automatic adjustment of velocity scale – in live, digital replay and image clipboard recall
- Auto Doppler angle
- Stereo speakers mounted in the front panel
- Display annotations of frequency, mode, scales, Nyquist limit, wall filter setting, angle correction, acoustic power indices
- Compound in duplex

PW/HPRF Doppler
- Automatic HPRF Doppler maintains its sensitivity even for shallow depths and with the highest PRF’s
- Digital velocity tracking Doppler employs processing in range and time for high-quality spectral displays
- Adjustable sample volume size of 1-16 mm (probe dependent)
- Maximum sample volume depth 30 cm

CW Doppler
- Highly sensitive steerable CW available with all phased array probes
- Tissue velocity Doppler
Physiological Traces
- Integrated three-lead ECG module
- Automatic QRS complex detection
- External ECG lead input
- Internally generated respiratory trace using ECG leads
- ECG lead selection
- Adjustable ECG QRS markers

Automatic Optimization
- Dynamic optimization of B-mode image to improve contrast resolution, TGC and grayscale (soft or sharp, user-selectable)
- Auto-spectral optimize – dynamic adjustments of baseline, and PRF (on live image) and angle correction

Measurement and Analysis (M&A)
- Personalized measurement protocols allow individual set and order of M&A items
- Measurements can be labeled seamlessly by using protocols or post assignments
- Measurements assignable to protocol capability
- Parameter annotation follow ASE standard
- Seamless data storage and report creation
- User-assignable parameters
- Comprehensive set of cardiac measurements and calculations to help assess dimensions, flow properties and other functional parameters of the heart
- Comprehensive set of shared service measurements and calculations covering vascular, abdominal, obstetrics and other application areas
- Configuration package to set up a customized set and sequence of measurements to use, defining user-defined measurements and changing settings for the factory-defined measurements

Intima Media Thickness (IMT) Measurements
- Automatic measurements (patent pending) of carotid artery Intima-Media Thickness (IMT) on any acquired frame
- On-board IMT package facilitates non-interrupted workflow – fully integrated with M&A, worksheet, archiving and reporting functions
- Algorithm provides robust, quick, reliable measurements which can be stored to the on-board archive for review and reporting
- IMT measurement can be made from frozen images or images retrieved from archive
- IMT package supports measurements of different regions of the intima in the carotid vessel (e.g., Lt./Rt./CCA/ICA etc.)
- Frame for IMT measurement can be selected in relation to the ECG waveform

Z-Scores
- Limited implementation of z-scores for a set of predefined pediatric dimension measurements

Quantitative Analysis Package (Q-Analysis) (optional)
- Traces for velocity or derived parameters (displacement) inside defined regions of interest as function of time

Automated Ejection-Fraction Calculation (AutoEF) (optional)
- Automated EF measurement tool based on 2D speckle tracking algorithm and on Simpson
- Integrated into M&A package with worksheet summary

Generic Measurements
- BSA (Body Surface Area)
- MaxPG (Maximum Pressure Gradient)
- MeanPG (Mean Pressure Gradient)
- % Stenosis (Stenosis Ratio)
- PI (Pulsatility Index)
- RI (Resistivity Index)
- HR (Heart Rate) – beats/minute
- A/B Ratio (Velocities Ratio)
- TAMAX (Time Averaged Maximum Velocity) – Trace method is Peak or Manual
- TAMIN (Time Averaged Minimum Velocity) – Trace method is Floor
- TAMEAN (Time Averaged Mean Velocity) – Trace method is Mean
- Volume

OB/GYN Application Module
- OB package for fetal growth analysis containing more than 100 biometry tables
- Dedicated OB/GYN reports
- Fetal graphical growth charts
- Growth percentiles
- Multi-gestational calculations (up to four)
- Programmable OB tables
- Expanded worksheets
- User-selectable fetal growth parameters based on European, American or Asian methods charts
- GYN package for ovary and uterus measurements and reporting

Sample-area points may be dynamically anchored to move with the tissue when running the cineloop
- Cine compound displays cineloops generated from a temporal averaging of multiple consecutive heart cycles
OB Measurements/Calculations
- Gestational age by:
  - GS (Gestational Sac)
  - CRL (Crown Rump Length)
  - FL (Femur Length)
  - BPD (Bi-Parietal Diameter)
  - AC (Abdominal Circumference)
  - HC (Head Circumference)
  - APTD x TTD (Anterior/Posterior Trunk Diameter by Transverse Trunk Diameter)
  - LV (Length of Vertebra)
  - FTA (Fetal Trunk Cross-sectional Area)
  - HL (Humerus Length)
  - BD (Binocular Distance)
  - FT (Foot Length)
  - OFD (Occipital Frontal Diameter)
  - TAD (Transverse Abdominal Diameter)
  - TCD (Transverse Cerebellum Diameter)
  - THD (Thorax Transverse Diameter)
  - Tib (Tibia Length)
  - ULNA (Ulna Length)
- Estimated Fetal Weight (EFW) by:
  - AC, BPD
  - AC, BPD, FL
  - AC, BPD, HC
  - AC, FL
  - AC, HC
  - AC, HC
  - EFW
- Calculations and Ratios
  - FL/BPD
  - FL/AC
  - FL/HC
  - HC/AC
  - CI (Cephalic Index)
  - AFI (Amniotic Fluid Index)
  - CTAR (Cardio-Thoracic Area Ratio)
- Measurements/calculations by:
  - ASUM, ASUM 2001, Berkowitz, Bertagnoli, Brenner, Campbell, CFEF, Chitty, El-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 (four)
- 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, width, height
- Ovarian volume
- ENDO (endometrial thickness)
- Ovarian RI
- Uterine RI
- Follicular measurements
- Summary reports

Cardiac Measurements
- %FS (LV Fractional Shortening)
- %IVS Thck (IVS Fractional Shortening)
- %LVPW Thck (LV Posterior Wall Fractional Shortening)
- Ao Arch Diam (Aortic Arch Diameter)
- Ao Asc (Ascending Aortic Diameter)
- Ao Desc Diam (Descending Aortic Diameter)
- Ao Isthmus (Aortic Isthmus)
- Ao Root Diam (Aortic Root Diameter)
- AR ERO (PISA: Regurgitant Orifice Area)
- AR Flow (PISA: Regurgitant Flow)
- AR PHT (AV Insuf. Pressure Half Time)
- AR Rad (PISA: Radius of Aliased Point)
- AR RF (Regurgitant Fraction over the Aortic Valve)
- AR RV (PISA: Regurgitant Volume Flow)
- AR Vel (PISA: Aliased Velocity)
- AR Vmax (Aortic Insuf. Peak Velocity)
- AR VTI (Aortic Insuf. Velocity Time Integral)
- AR Red max PG (Aortic Insuf. End-Diastole Pressure Gradient)
- AR Red Vmax (Aortic Insuf. End-Diastolic Velocity)
- AV Acc Slope (Aortic Valve Flow Acceleration)
- AV Acc Time (Aortic Valve Acceleration Time)
- AV Acct/ET (AV Acceleration to Ejection Time Ratio)
- AV EOA I (VTI) (Aortic Valve Effective Orifice Area Index by Continuity Equation VTI)
- AV EOA I Vmax (Aortic Valve Effective Orifice Area Index by Continuity Equation Peak V)
- AV CO (Cardiac Output by Aortic Flow)
- AV Cusp (Aortic Valve Cusp Separation, 2D)
- AV Dec Time (Aortic Valve Deceleration Time)
- AV Diam (Aortic Diameter, 2D)
• AV max PG (Aortic Valve Peak Pressure Gradient)
• AV mean PG (Aortic Valve Mean Pressure Gradient)
• AV SV (Stroke Volume by Aortic Flow)
• AV Vmax (Aortic Valve Peak Velocity)
• AV Vmean (AV Mean Velocity)
• AV VTI (Aortic Valve Velocity Time Integral)
• AVA (Vmax) (AV Area by Continuity Equation by Peak V)
• AVA (VTI) (AV Area by Continuity Equation VTI)
• AVA Planimetry (Aortic Valve Area)
• AVET (Aortic Valve Ejection Time)
• CO (Teich) (Cardiac Output, M-mode, Teicholtz)
• D-E Excursion (MV Anterior Leaflet Excursion)
• E' Avg (Averaged Early Diastolic Mitral Valve Annular Velocity)
• E' Lat (Early Diastolic Mitral Valve Lateral Annular Velocity)
• E' Sept (Early Diastolic Mitral Valve Septal Annular Velocity)
• E/E' Avg (Mitrail Flow E Velocity to E' Avg Ratio)
• E/E' Lat (Mitrail Flow E Velocity to E' Lat Ratio)
• E/E' Sept (Mitrail Flow E Velocity to E' Sept Ratio)
• EDV (Cube) (Left Ventricle Volume, Diastolic, 2D, Cubic)
• EF (A-L A2C) (Ejection Fraction 2CH, Single Plane, Area-Length)
• E-F Slope (Mitrail Valve E-F Slope)
• EPSS (E-Point-to-Septum Separation, M-mode)
• ERO (Effective Regurgitant Orifice)
• ESV (Cube) (Left Ventricle Volume, Systolic, 2D, Cubic)
• HR (Heart Rate, 2D, Teicholtz)
• IVC (Inferior Vena Cava)
• IVCT (Isovolumic Contraction Time)
• IVRT (Isovolumic Relaxation Time)
• IVSd (Interventricular Septum Thickness, Diastolic, 2D)
• VSS (Interventricular Septum Thickness, Systolic, 2D)
• LA Diam (Left Atrium Diameter, 2D)
• LA Major (Left Atrium Major)
• LA Minor (Left Atrium Minor)
• LA/Ao (LA Diameter to AoRoot Diameter Ratio, 2D)
• LAAd (A2C) (Left Atrium Area, Apical 2C)
• LAEDV (A-L) (LA End Diastolic Volume, Area-Length)
• LAEDV Index (A-L) (LA End Diastolic Volume Index, Area-Length)
• LAESV (A-L) (LA End Systolic Volume, Area-Length)
• LAESV Index (A-L) (LA End Systolic Volume Index, Area-Length)
• LAEDV MOD (LA End Diastolic Volume MOD)
• LAESV MOD (LA End Systolic Volume MOD)
• LIMP (Left Index of Myocardial Performance)
• LVA (s) (Left Ventricle Area, Systolic, 2CH)
• LVAd (A2C) (Left Ventricle Area, Diastolic, 2CH)
• LVAd (SAX) (LV Area, SAX, Diastolic)
• LVAend (d) (LV Endocardial Area, SAX)
• LVepi (d) (LV Epicardial Area, SAX)
• LVAs (A4C) (Left Ventricle Area, Systolic, 4CH)
• LVAs (SAX) (LV area, SAX, Systolic)
• Lvd Mass (LV Mass, Diastolic, 2D)
• Lvd Mass (LV Mass, Diastolic, M-mode)
• LVD Index (LV Mass Index, Diastolic, 2D)
• LVEDV (A-L A2C) (LV Volume, Diastolic, 2CH, Area-Length)
• LVESV (A-L A2C) (LV Volume, Systolic, 2CH, Area-Length)
• LVET (Left Ventricle Ejection Time)
• LVIDd (LV Internal Dimension, Diastolic, 2D)
• LVIDs (LV Internal Dimension, Systolic, 2D)
• LVLd (Apical) (Left Ventricle Length, Diastolic, 2D)
• LVls (Apical) (Left Ventricle Length, Systolic, 2D)
• LVOT Area (Left Ventricle Outflow Tract Area)
• LVOT CO (Cardiac Output by Aortic Flow)
• LVOT Diam (Left Ventricle Outflow Tract Diameter)
• LVOT Max PG (LVOT Peak Pressure Gradient)
• LVOT Mean PG (LVOT Mean Pressure Gradient)
• LVOT SI (Stroke Volume Index by Aortic Flow)
• LVOT SV (Stroke Volume by Aortic Flow)
• LAAd (A2C) (Left Atrium Area, Apical 2C)
• MCO (Mitral Valve Closure to Opening)
• MP Area (Mitral Valve Prosthesis)
• MR Acc Time (MVT Regurg. Flow Acceleration)
• MR ERO (PISA: Regurgitant Orifice Area)
• MR Flow (PISA: Regurgitant Flow)
• MR Max PG (Mitral Regurg. Peak Pressure Gradient)
• MR Rad (PISA: Radius of Aliased Point)
• MR RF (Regurgitant Fraction Over the Mitral Valve)
• MR RV (PISA: Regurgitant Volume Flow)
• MR Vel (PISA: Aliased Velocity)
• MR Vmax (Mitral Regurg. Peak Velocity)
• MR Vmean (Mitral Regurg. Mean Velocity)
• MR VTI (Mitral Regurg. Velocity Time Integral)
• MV A Dur (Mitral Valve A-Wave Duration)
• MV A Velocity (MV Velocity Peak A)
• MV Acc Slope (Mitral Valve Flow Acceleration)
• MV Acc Time (Mitral Valve Acceleration Time)
• MV Acc/Dec Time (MV: Acc.Time/Decel.Time Ratio)
• MV An Diam (Mitral Valve Annulus Diameter, 2D)
• MV CO (Cardiac Output by Mitral Flow)
• MV Dec Slope (Mitral Valve Flow Deceleration)
• MV Dec Time (Mitral Valve Deceleration Time)
• MV E Velocity (MV Velocity Peak E)
• MV E/A Ratio (Mitral Valve E-Peak to A-Peak Ratio)
• MV Max PG (Mitral Valve Peak Pressure Gradient)
• MV Mean PG (Mitral Valve Mean Pressure Gradient)
• MV PHT (Mitral Valve Pressure Half Time)
• MV Reg Frac (Mitral Valve Regurgitant Fraction)
• MV SI (Stroke Volume Index by Mitral Flow)
• MV SV (Stroke Volume by Mitral Flow)
• MV Time to Peak (Mitral Valve Time to Peak)
• MV Vmax (Mitral Valve Peak Velocity)
• MV Vmean (MV Mean Velocity)
• MV VTI (Mitral Valve Velocity Time Integral)
• MVA (Mitral Valve Area)
• MVA By PHT (Mitral Valve Area according to PHT)
• MVA by Plan (Mitral Valve Area, 2D)
• MVET (Mitral Valve Ejection Time)
• P Vein A Dur (Pulmonary Vein A-Wave Duration)
• P Vein D (Pulmonary Vein End-Diastolic Peak Velocity)
• P Vein S (Pulmonary Vein Systolic Peak Velocity)
• PAEDP (Pulmonary Artery Diastolic Pressure)
• PEld (Pericard Effusion, M-mode)
• PEs (Pericard Effusion, 2D)
• PR max PG (Pulmonic Insuf. Peak Pressure Gradient)
• PR mean PG (Pulmonic Insuf. Mean Pressure Gradient)
• PR PHT (Pulmonic Insuf. Pressure Half Time)
• P R VTI (Pulmonic Insuf. Velocity Time Integral)
• PReNmax PG (Pulmonic Insuf. End-Diastole Pressure Gradient)
• PReNvmax (Pulmonic Insuf. End-Diastolic Velocity)
• Pulmonic Diam (Pulmonary Artery Diameter, 2D)
• PV Acc Slope (Pulmonic Valve Flow Acceleration)
• PV Acc Time (Pulmonic Valve Acceleration Time)
• PV Acc Time/ET Ratio (PV Acceleration to Ejection Time Ratio)
• PV An Diam (Pulmonic Valve Annulus Diameter, 2D)
• PV Ann Area (Pulmonic Valve Area)
• PV CO (Cardiac Output by Pulmonic Flow)
• PV Max PG (Pulmonic Valve Peak Pressure Gradient)
• PV Mean PG (Pulmonic Valve Mean Pressure Gradient)
• PV SV (Stroke Volume by Pulmonic Flow)
• PV Vmax (Pulmonary Artery Peak Velocity)
• PV Vmean (PV Mean Velocity)
• PV VTI (Pulmonic Valve Velocity Time Integral)
• PVA VTI (Pulmonary Artery Velocity Time Integral)
• PVeS/D Ratio (Pulmonary Vein SD Ratio)
• PVET (Pulmonic Valve Ejection Time)
• PVPEP (Pulmonic Valve Pre-Ejection Period)
• PVPEP/ET Ratio (PV Pre-Ejection to Ejection Time Ratio)
• Op/Qs (Pulmonic-to-Systemic Flow Ratio)
• RA Major (Right Atrium Major, 2D)
• RA Minor (Right Atrium Minor, 2D)
• RAA (d) (Right Atrium Area, 2D, Diastole)
• RAA (s) (Right Atrium Area, 2D, Systole)
• RAEDV A2C (Right Atrium End Diastolic Volume, Apical 2 Chamber)
• RAESV A-L (RA End Systole Volume [A-L])
• RALd (Right Atrium Length, Diastole)
• RALs (RA Length, Systole)
• RIMP (Right Index of Myocardial Performance)
• RJA (A4C) (Regurgitant Jet Area)
• RJA/LAA (Regurgitant Jet Area ratio RJA/LAA)
• RVEDD (Right Ventricle Major)
• RV Minor (Right Ventricle Minor)
• RV S’ (Tricuspid Annulus Systolic Excursion Velocity)
• RVAWd (Right Ventricle Wall Thickness, Diastolic, 2D)
• RVAWs (Right Ventricle Wall Thickness, Systolic, 2D)
• RVET (Right Ventricle Ejection Time)
• RVIDd (Right Ventricle Diameter, Diastolic, 2D)
• RVIDs (Right Ventricle Diameter, Systolic, 2D)
• RVOT Area (Right Ventricle Outflow Tract Area)
- RVOT Diam (RV Output Tract Diameter, 2D)
- RVOT Diam (RV Output Tract Diameter, M-mode)
- RVOT Max PG (RVOT Peak Pressure Gradient)
- RVOT Mean PG (RVOT Mean Pressure Gradient)
- RVOT SI (LV Stroke Volume Index by Pulmonic Flow)
- RVOT SV (Stroke Volume by Pulmonic Flow)
- RVOT Vmax (RVOT Peak Velocity)
- RVOT Vmean (RVOT Mean Velocity)
- RVOT VTI (RVOT Velocity Time Integral)
- RVSP (Right Ventricle Systolic Pressure)
- RVWd (Right Ventricle Wall Thickness, Diastolic, M-mode)
- RVWs (Right Ventricle Wall Thickness, Systolic, M-mode)
- RAA (d) (Right Atrium Area, 2D, Diastole)
- RAA (s) (Right Atrium Area, 2D, Systole)
- SI (A-L A2C) (LV Stroke Index, Single Plane, 2CH, Area-Length)
- SI (A-L A4C) (LV Stroke Index, Single Plane, 4CH, Area-Length)
- SI (Bi-plane) (LV Stroke Index, Bi-plane, MOD)
- SI (Bullet) (LV Stroke Index, Bi-plane, Bullet)
- SI (MOD A2C) (LV Stroke Index, Single Plane, 2CH, MOD)
- SI (MOD A4C) (LV Stroke Index, Single Plane, 4CH, MOD)
- SI (Teich) (LV Stroke Index, Teicholtz, 2D)
- SI (Teich) (LV Stroke Index, Teicholtz, M-mode)
- SV (A-L A2C) (LV Stroke Volume, Single Plane, 2CH, Area-Length)
- SV (A-L A4C) (LV Stroke Volume, Single Plane, 4CH, Area-Length)
- SV (Bi-plane) (LV Stroke Volume, Bi-plane, MOD)
- SV (Bullet) (LV Stroke Volume, Bi-plane, Bullet)
- SV (MOD A2C) (LV Stroke Volume, Single-plane, 2CH, MOD) – Simpson
- SV (MOD A4C) (LV Stroke Volume, Single-plane, 4CH, MOD) – Simpson
- SV (Cube) (LV Stroke Volume, 2D, Cubic)
- SV (Teich) (LV Stroke Volume, 2D, Teicholtz)
- Systemic Diam (Systemic Vein Diameter, 2D)
- Systemic Vmax (Systemic Vein Peak Velocity)
- Systemic VTI (Systemic Vein Velocity Time Integral)
- TAPSE (Tricuspid Annular Plane Systolic Excursion)
- TCO (Tricuspid Valve Closure to Opening)
- TR Max PG (Tricuspid Regurg. Peak Pressure Gradient)
- TR Mean PG (Tricuspid Regurg. Mean Pressure Gradient)
- TR Vmax (Tricuspid Regurg. Peak Velocity)
- TR Vmean (Tricuspid Regurg. Mean Velocity)
- TR VTI (Tricuspid Regurgitation Velocity Time Integral)
- TV A Dur (Tricuspid Valve A-Wave Duration)
- TV A Velocity (Tricuspid Valve A Velocity)
- TV Acc Time (Tricuspid Valve Time to Peak)
- TV Ann Area (Tricuspid Valve Area)
- TV Ann Diam (Tricuspid Valve Annulus Diameter, 2D)
- TV Area (Tricuspid Valve Area, 2D)
- TV CO (Cardiac Output by Tricuspid Flow)
- TV Dec Slope (Tricuspid Valve Flow Deceleration)
- TV E Velocity (Tricuspid Valve E Velocity)
- TV E/A Ratio (Tricuspid Valve E-Peak to A-Peak Ratio)
- TV Max PG (Tricuspid Valve Peak Pressure Gradient)
- TV Mean PG (Tricuspid Valve Mean Pressure Gradient)
- TV Mean PG (Tricuspid Valve Mean Pressure Gradient)
- TV PHT (Tricuspid Valve Pressure Half Time)
- TV SV (Stroke Volume by Tricuspid Flow)
- TV Vmean (TV Mean Velocity)
- TV VTI (TV Mean Velocity)
- TV VTI (Tricuspid Valve Velocity Time Integral)
- VSD Max PG (VSD Peak Pressure Gradient)
- VSD Vmax (VSD Peak Velocity)

Please refer to the reference manual for the full list of measurements and calculations for all applications.

Annotations

Body Marks
- Body mark icons for location and position of probe
- Easy selection of body marks from touch panel

Text Annotations
- Easy selection of text annotations from touch panel

Scan Assist Pro
- Customizable automations that assist the user through each step of the scan
- Facilitates consistency and reduced keystrokes
- Ultrasound image, anatomical picture, step by step training through a pre-defined protocol
- Supports selection of all modes, all measurements and dual annotations
• Imaging attributes: octave, steer, dual/quad screen, compound, zoom, depth, scale and baseline
• On-line or off-line protocol editor
• Image acquisition according to predefined protocol templates
• Various factory protocol templates
• User-configurable protocol templates

**Smart Stress Echo (optional)**

**Supported Protocol Examinations**
- 2D pharmacological stress echo
- 2D bicycle stress echo
- 2D continuous capture stress echo (treadmill stress echo)
- Cardiac resynchronization therapy programming protocols (available with the Advanced QScan option)

**Protocol Examinations Features**
(text continues)

**Wall Motion Scoring**
- As part of the measurement and analysis package one can access a wall motion assessment module, providing analysis/scoring of individual myocardial segments
- For use with all stress modalities

**Cardiac Resynchronization Therapy (CRT) Programming Protocols**
- CRT protocols require Smart Stress and Advanced QScan
- Tailored acquisition protocol for data needed for programming of AV and VV delays in biventricular pacemakers
- Image acquisition of a set of projection views with various scan mode settings
- Template editor
- User-configurable protocol templates
- Configure protocol name, number of levels and views, name of level and views and several other protocol settings (smart stress, show reference, scan mode, preview of store, timer handling, etc.)

**Continuous Capture**
- Continuously acquire large amounts of 2D image data, and selection of projection views for analysis afterwards
- The entire continuous capture recording may be kept in memory while it is possible to store new images outside the protocol template, or the entire recording can be stored to file
- Selection of projection views on scanner or EchoPAC when the entire recording is stored to file

**Safety Conformance**
- IEC60601-2-37
- IEC60601-1
- IEC60601-1-2
- IEC60601-1-6
- NEMA UD3
- The European Medical Devices Directive (MDD) 93/42/EEC (CE Mark)
- Directive 2011/65/EU on the restriction of use of certain hazardous substances
- The Vivid iq ultrasound unit is a Class I device, with BF (probes) and CF (ECG leads) and Defibrillation-Proof Type applied parts according to IEC60601-1
- The Vivid iq ultrasound unit meets the EMC requirements in IEC 60601-1-2:2014 as Group1, Class A specified by CISPR 11.

**Virus Protection**
To reduce virus vulnerability, Vivid iq is configured with a minimal set of open ports and with all network services not actively used by the system closed down. This helps to significantly reduce the risk of a virus attack on Vivid iq.

GE is continuously judging the need for additional actions to reduce vulnerability of equipment; this includes vulnerability scanning of our products and evaluation of new security patches for the 3rd-party technology used. Microsoft® (and other) security patches that address serious issues with Vivid iq will be made available to customers after GE verification of those patches.

**Probes**
- **3Sc-RS** Phased Array Probe
- **6S-RS** Phased Array Probe
- **12S-RS** Phased Array Probe
- **9T-RS** TEE Probe
- **9L-RS** Linear Array Probe
- **12L-RS** Linear Array Probe

**Probes**
- Probe presets: cardiac, pediatric, abdominal, fetal, adult cephalic
- Biopsy guide: multi-angle disposable with a reusable bracket
- Probe presets: pediatric, neonatal cephalic, abdomen
- Probe preset: pediatric
- Probe preset: pediatric
- Probe preset: peripheral vascular, abdomen, pediatrics, small organs, neonatal cephalic, musculoskeletal
- Biopsy guide: multi-angle disposable with a reusable bracket
- Probe presets: peripheral vascular, abdomen, pediatrics, small organs, neonatal cephalic, musculoskeletal
- Biopsy guide: multi-angle disposable with a reusable bracket
**4C-RS Curved Array Probe**
- Probe presets: abdomen, GYN, fetal/obstetrics, neonatal cephalic, pediatrics, urological
- Biopsy guide: multi-angle disposable with a reusable bracket

**8C-RS Curved Array Probe**
- Probe presets: abdomen, pediatrics, neonatal cephalic, peripheral vascular, cardiac

**E8Cs-RS Endo Curved Array Probe**
- Probe presets: GYN, transvaginal, fetal/obstetrics, urological, transrectal
- Biopsy guide: fixed-angle, disposable, or reusable bracket

**P2D Pencil Probe**
- Probe preset: cardiac

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**PROBE** | **FREQUENCY RANGE** | **CATALOG #**
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3Sc-RS | 1.3 – 4.0 MHz | H45041DL
6S-RS | 2.0 – 7.0 MHz | H45021RP
12S-RS | 4.5 – 12.0 MHz | H44901AB
6Tc-RS | 3.0 – 8.0 MHz | H45551ZE
9T-RS | 4.0 – 10.0 MHz | H45531YM
9L-RS | 3.0 – 10.0 MHz | H40442LL
12L-RS | 4.0 – 13.0 MHz | H40402LY
4C-RS | 1.5 – 5.0 MHz | H40005R
8C-RS | 3.5 – 10.0 MHz | H40402LS
E8Cs-RS | 3.5 – 10.0 MHz | H48062AF
P2D (Pencil) | 1.9 MHz | H45551CA
About GE Healthcare

GE Healthcare provides transformational medical technologies and services to meet the demand for increased access, enhanced quality and more affordable healthcare around the world. GE (NYSE: GE) works on things that matter - great people and technologies taking on tough challenges. From medical imaging, software & IT, patient monitoring and diagnostics to drug discovery, biopharmaceutical manufacturing technologies and performance improvement solutions, GE Healthcare helps medical professionals deliver great healthcare to their patients.

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