

Item No. QTY

DESCRIPTION

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Vivid E9 100230V "4D Expert": Leadership Cardiovascular Console with Accelerated Volume Architecture.

Product Description

GE Vivid E9 ultrasound system is a general-purpose ultrasound system, specialized for use in cardiac imaging. It is intended for use by, or under the direction of a qualified physician for ultrasound imaging and analysis of Fetal; Abdominal (including renal and GYN); Pediatric; Small Organ (breast, testes, thyroid); Neonatal Cephalic; Adult Cephalic; Cardiac (adult and pediatric); Peripheral Vascular (PV); Musculo-skeletal Conventional; Urology (including prostate), Transesophageal; and Intraoperative (abdominal, thoracic, & vascular).

System Architecture

Accelerated Volume Architecture GE's exclusive, patented, beam forming technology provides eight times the computational power of traditional ultrasound systems like Vivid 7 with twice the volume for full volume single beat 4D acquisition. Using both coherent and harmonic image processing, the system provides computational power, ease of imaging, workflow flexibility and product upgrade-ability. The Vivid E9 excels in the following areas: Exceptional Image Quality is created through the use of Accelerated Volume Architecture, Ultra Definition Clarity, Ultra Definition Speckle Reduce and advanced D-Series transducers.

Ease of Use features make the Vivid E9 one of the most productive cardiovascular ultrasound systems - including Single Beat 4D, 4D Views, 4D Stress Echo, 4D Auto LVQ, 4D Strain, 4D LV Mass, FlexiSlice, 2 Click Crop, FlexiZoom, Biplane Prepare, Scan Assist and Scan Assist Pro.

Ergonomics include highly portable user adaptable design with electronic adjustable height and keyboard, articulating LCD arm and lightweight transducers combining to make it one of the most ergonomic cardiovascular ultrasound systems available.

True Scan Raw Data is GE's innovative technology that allows for advanced processing on archived images by applying many of the same scan controls and advanced quantitative tools available during the original exam.

Standard Configuration includes:

- 4D single/dual/multi beat-Flexi-Volumes

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	<ul style="list-style-type: none"> • Biplane • Triplane • 5-slice/7-slice/9-slice/6-slice/12-slice • 4D Color • Depth Color Render • Stereo Vision • Easy 4D (Auto LVQ/4D Views/4D Stress) • Advanced 4D User Package <ul style="list-style-type: none"> Auto Align/Measure on Render/Dynamic Crop/ Dynamic 9-slice/Live 9-slice * 4D workflow package: <ul style="list-style-type: none"> QuickRotate / 2-Click Crop / FlexiSlice / Laser Lines / Biplane Prepare / FlexiZoom • Scan Assist (4D stress/2D stress/CRT protocols) • Scan Assist Pro (protocol driven exams) • UD Imaging • CPI • AMM/Curved AMM • TVI/Tissue Tracking • ATO • ASO * CTO <ul style="list-style-type: none"> • Compound • Extended Field of View (LogiqView) • Q-Analysis: Qstress/ QTVI/QContrast • Advanced Vascular (BTI/BFI/Speckle Reduce) • eVUE/MPegVue *Z Scores for pediatrics <ul style="list-style-type: none"> • Integrated DVD/CD-R • Dicom Media • Dicom SR (Cardiac,/Vascular) • Heart Failure Report • DICOM Connectivity Pack (Modality Worklist/Print/Storage) • EchoPAC/Patient Archive

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		<p>Report Designer/Statement</p> <p>Engine/Normal Values/E-Sign-off communication</p> <p>Options:</p> <ul style="list-style-type: none"> * LVO Contrast * Vascular Contrast * 2D Stress *AFI Productivity Package (AFI, Triplane AFI, AFI w/TEE) *2D Auto EF * IMT * Rodent * LV Mass Only * 4D Strain and LV Mass * Advanced QScan / Advanced QScan (Japan) *4V Enable <p>System includes three days onsite applications training.</p>
2	1	<p>4V-D Volume Phased Array Transducer</p> <p>Active matrix 4D volume phased array transducer- Applications: Cardiac, LVO contrast, fetal heart, stress (1.5-4.0 Mhz).</p>
3	1	<p>M5S-D Active Matrix Single Crystal Phased Array Sector Probe</p> <p>Multi-frequency, wide-band, active matrix single crystal phased array probe with bandwidth between 1.5 - 4.5 MHz. Supports the following applications: Cardiac, Pediatric, Abdomen, Fetal Heart, Transcranial, Coronary, Stress, LVO Contrast. Provides a 17 x 28 mm footprint, 30 cm depth of field and a 120-degree field of view.</p>
4	1	<p>6VT-D</p> <p>6VT-D is a wide band multi-frequency active matrix volume imaging transesophageal phased array probe with a bandwidth between 3.0 and 8 MHz, a 90-degree field of view and 20 cm depth of field. The distal probe tip with a dimension of 12.7 x 14.3 mm and a length of 40 mm allows excellent imaging for cardiac diagnosis and intervention control with a small handle diameter for comfort and ergonomics. Rubber wheels provide an easy grip, especially in slippery conditions. Three user configurable on-handle push</p>

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5	1	<p>buttons for e.g. convenient plane rotation, image store and freeze functionality.</p> <p>P2D 2 MHz CW Pencil Probe</p> <p>2MHz non-imaging pencil probe for CW Doppler examinations of cardiac flow. Non-imaging. Requires CW option for LOGIQ products.</p>
6	1	<p>Smart Stress</p> <p>Smart Stress is a flexible stress package. The advanced and flexible stress echo examination capabilities provide exercise and pharmacological protocol templates. The template editor allows user-configuration of existing or creation of new templates. During acquisition a reference scan is available for stress level comparison (dual screen). EchoStress includes the option for Digital Continuous Capturing of raw image data. Postprocessing tools include wall motion scoring.</p> <p>In combination with Q Analysis (other option) this module enables QTVI Stress for quantification. QTVI Stress is based on parallel raw data acquisition of greyscale 2D and seamless tissue velocity information for further quantitative stress analysis. 3 analysis levels are provided. Uncompromised 2D enhanced by Coded Octave Tissue Imaging and Dual Focus Technology allows maximum control by sonographer of image data acquisition. Tissue Tracking (separate option) enables visualization of the heart contraction at peak level by color coding the displacement in the myocardium. Vpeak measurement enables the display of a tissue velocity trace for a selected region of a previously scored segment through the entire heart cycle. And finally, a comprehensive quantitative analysis pack gives the opportunity to further detailed information based on multiple tissue velocity traces.</p>
7	1	<p>2D Auto EF</p> <p>Automated EF measurement tool based on the 2D-speckle tracking algorithm. Calculation according to the Simpson algorithm. Integrated into the M&A package with worksheet summary.</p>
8	1	<p>4V-D Probe Enable</p> <p>Enables the operation of the 4V-D Volume Phased Array Transducer on a Vivid E9 4D system.</p>

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9	1	<p data-bbox="521 180 805 207">Advanced QScan Imaging</p> <p data-bbox="521 228 1263 296">Dedicated parametric imaging applications for quantitative display of regional wall deformation.</p> <p data-bbox="521 312 1263 447">Tissue Synchronization is a real time parametric imaging technique for displaying mechanical synchronicity. In combination with 4D and multi-dimensional imaging options following features are additionally available:</p> <ul data-bbox="521 470 1175 659" style="list-style-type: none"> <li data-bbox="521 470 1175 537">– simultaneous acquisition of tri-plane TSI images covering all standard segments in apical views with more than 100 fps <li data-bbox="521 552 1114 579">– efficient segment specific TSI time measurements <li data-bbox="521 594 865 621">– immediate Bull's eye report <li data-bbox="521 636 1057 663">– automatic calculated TSI synchrony indexes <p data-bbox="521 667 1146 768">Strain and Strain Rate Imaging show myocardial systolic deformation and the rate of deformation in real time. These applications are supported by M4S probe.</p> <p data-bbox="521 772 1235 835">These imaging modes can be derived offline out of tissue Doppler data also.</p>
10	1	<p data-bbox="521 869 675 896">ECG Cable Set</p> <p data-bbox="521 919 1268 1092">ECG cable set which allows connection of external ECG machine output signal with either a 9-pin Dsub, BNC, RCA, 3.5mm Jack or 6.3mm Jack plug with the ECG input of LOGIQ P6, Vivid 7 (or Vivid FiVe). Must be ordered with ECG Kit (treadmill connection) or ECG Kit for ECG hardware.</p>

OPTIONS

Not included in the total contract amount. Prices shown are extended list prices with applicable contractual discounts.

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11	1	LVO Contrast Imaging LVO Contrast enhances the delineation of the LV border in combination with ultrasound contrast agents. The implementation of GE's Coded Phase Inversion (CPI) provides high-resolution detection of contrast in the LV cavity and excellent suppression of myocardial tissue signals.
12	1	AFI Productivity Package Includes Automated Function Imaging, AFI for TEE, and Triplane AFI if the 4D option or system is also purchased.

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