

QTY CATALOG	DESCRIPTION
1	<p data-bbox="410 369 911 394">Vivid q BT12 Cardiac system with Respiration</p> <p data-bbox="410 420 1060 445">Vivid q Ultra-portable High-End Echocardiography System</p> <p data-bbox="410 457 1268 989">Vivid q is a miniaturized ultra-portable high-performance cardiovascular ultrasound system. The system's performance is distinguished by advanced image quality, sensitivity, ultra-high frame rates, and speed. The Vivid q delivers premium-level portable cardiovascular ultrasound features through innovative performance, advanced quantitative analysis tools and matrix probe technology with three dimensional electronic beam focusing. The Vivid q features provide information to help improve diagnostic capabilities for Cardiac, Vascular, Pediatric, Fetal, Abdominal, and Perioperative applications. Sophisticated measurement and analysis tools and comprehensive connectivity with a wireless network option help improve productivity and quality of care. A 15" high-quality LCD monitor provides wide-angle visibility with programmable adjustments for excellent image quality. A rechargeable battery and an advanced power management system provide approximately 1.0 hour of full scan operation when the unit is unplugged from the AC mains power source.</p> <p data-bbox="410 1001 1279 1499">The Vivid q is based on GE's TruScan™ Architecture common to all GE Ultrasound systems. It features a powerful PC platform (with high processing power, storage, graphics capabilities and Input/Output versatility), raw data/DICOM storage with specific post-processing capabilities, record archiving and management and on-board high capacity hard disk storage. The Vivid q incorporates a comparable software platform, user interface, reporting system and connectivity features as found in leadership systems. The system offers several options aimed at enhancing image quality, facilitating rapid interpretation, and improving diagnostic confidence for all applications provided. Such features include live Anatomical M-Mode, multiple foci control, Automatic Tissue and Spectrum Optimization, Ultra definition Image optimization, Carotid ClearVessel, LOGIQView™, Smart Depth, Tissue Characteristic Optimization, Wide Aperture, Compound Imaging, B-Flow, BFI and LVO Contrast.</p> <p data-bbox="410 1512 1256 1751">Advanced analysis tools on the Vivid q include the easy to use and time saving AutoEF measurement, Smart Stress protocols, Tissue Velocity Imaging, Tissue Tracking, Tissue Synchronization Imaging and IMT for automatic measurement of Intima Media Thickness. Additionally the Vivid q features Automated Function Imaging (AFI), utilizing speckle-tracking technology to provide information about the global LV function and regional contraction differences</p> <p data-bbox="410 1764 1261 1824">A wide selection of transducers, including phased array, linear, curved-linear, pencil and TEE provide comprehensive testing capabilities for children and</p>

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adults. Intra Cardiac Echo Imaging (ICE) catheters broaden the approach to interventional imaging. All transducers, except the 9T-RS pediatric TEE probe and the il2L-RS intraoperative probe, offer Harmonic Imaging and feature the ComfortScan design, including a small and ergonomic housing, a lightweight pliable cable, and a miniaturized snap-on RS connector, to help promote maximum comfort of the patient and operator.

A wide range of connectivity options helps improve productivity. These options include compatibility with the EchoPAC review station, the Image Vault, DICOM servers, and DICOM printers. Removable storage media options include DVD/CD, USB flash cards, and an MO disk

The MPEGvue option allows clinicians to save patient records to a local storage device or to a remote shared volume in the compact high-quality MPEG4 format (in addition to AVI, JPEG, and BMP formats). The MPEGvue Player/browser can be installed on any Standard PC to view MPEG4-compressed images, measurements, or reports. The "eMail" menu option allows users to send MPEG4 records as Microsoft Outlook email attachments to a remote destination, via an Internet connection..

The eVue option provides interactive remote monitoring of images acquired by the Vivid q from a PC networked to the system, via wired or wireless network communication.

The system is fully compatible with the Vivid line of Cardiovascular Ultrasound systems (Vivid E9, Vivid 7, Vivid S5, Vivid S6 and Vivid I), including the EchoPAC review station, which duplicates the raw-data analysis, report design and report generation capabilities of the console. In addition, the system offers seamless DICOM Standard compatibility, which enables network solutions for large- and small-scale operations alike.

Standard Configuration includes:

- Coded Harmonic Imaging
- CTO / ATO / ASO
- Tissue Characteristic Optimization (TCO)
- Anatomical M-Mode (AMM)
- Tissue Spectral Doppler
- Dual Focus (Cardiac Applications)
- Wide Aperture (Linear and Curved array Probes)\*

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	<ul style="list-style-type: none"> <li>• Compound (Linear and 4C-RS Probes)*</li> <li>• Ultra Definition Speckle Reduction Imaging (SRI)</li> <li>• Ultra Definition Adaptive Reject</li> <li>• Coded Phase Inversion (CPI)</li> <li>• Read and Write Zoom</li> <li>• Carotid ClearVessel*</li> <li>• Integrated Patient Archive</li> <li>• Report gen. w / template editor</li> <li>• Battery Pack</li> <li>• Direct Connect to EP</li> <li>• DICOM Media</li> <li>• USB Export</li> <li>• ECG with Respiration</li> <li>• LOGIQView*</li> <li>• Virtual Convex*</li> </ul> <p>Options:</p> <ul style="list-style-type: none"> <li>• Smart Stress</li> <li>• AutoEF</li> <li>• AFI</li> <li>• TVI &amp; Tissue Tracking</li> <li>• TSI</li> <li>• Strain/SRI</li> <li>• QA</li> <li>• Smart Depth</li> <li>• LVO Contrast</li> <li>• IMT*</li> <li>• B-Flow / BFI*</li> <li>• TEE Probe Interface Module</li> <li>• ICE probe interface module</li> <li>• Ob/Gyn Application Module*</li> <li>• External Respiration Interface</li> <li>• DVD/CD R/W Drive</li> <li>• DICOM Network Connectivity</li> </ul>

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	<ul style="list-style-type: none"> <li>• MPEGVue</li> <li>• eVue</li> <li>• Virtual Printer</li> <li>• WLAN Option</li> <li>• CardioLab Support</li> <li>• Carto Interface</li> <li>* Only available with the Vascular Application option</li> </ul>
1	<p>Vivid i/q BT12 USA Regional Language Kit</p> <p>The Vivid i/q BT'12 USA Regional Language Kit</p>
1	<p>Automated Function Imaging - AFI</p> <p>Automated Function Imaging - AFI</p> <ul style="list-style-type: none"> <li>* Parametric Imaging tool which gives quantitative data for global and segmental wall motion</li> <li>* Allows complete assessment at a glance by combining 3 longitudinal views into one comprehensive bulls-eye view</li> <li>* Integrated into M&amp;A package with worksheet summary</li> <li>* 2D-strain-based data moves into clinical practice</li> </ul>
1	<p>Tissue Velocity Imaging and Tissue Tracking - TVI and TT</p> <p>Tissue Velocity Imaging - TVI</p> <ul style="list-style-type: none"> <li>* Myocardial Doppler imaging with color overlay on tissue image</li> <li>* Tissue Doppler data can be acquired in background during regular 2D imaging</li> <li>* Segmental wall motion analysis can be obtained with use of anatomical M-mode from digital replay or image clipboard recall</li> <li>* Tissue color overlay can be removed to show just the 2D image, still retaining the tissue velocity information</li> <li>* Quantitative profiles (Q-Analysis) can be derived on data transferred to EPPC workstation</li> </ul> <p>Tissue Tracking</p> <ul style="list-style-type: none"> <li>* Real-time display of the time integral of TVI for quantitative display of myocardial systolic displacement</li> <li>* Myocardial displacement is calculated and displayed as a color-coded overlay on the grayscale and M-mode image - different colors represent</li> </ul>

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1	<p>different displacement ranges</p> <p>Smart Stress</p> <p>Stress package with memory buffer offering pharmaceutical, treadmill and bicycle stress exam protocols with user-configurable templates and shuffle mode.</p> <p>"Smart Stress" function with the ability to save over 17 imaging parameters from each imaging plane - these imaging parameters are recalled at each stress level, thereby requiring no system adjustments.</p> <p>Reference loop display during acquisition for comparing resting images to each stress level (dual screen).</p> <p>Advanced and flexible stress-echo examination capabilities.</p> <p>Stress treadmill-exercise with more than 120 seconds of raw data continuous capture.</p> <p>Possibility of extensive post-processing of images under review.</p> <p>Wall motion scoring (bulls-eye and segmental).</p> <p>Template Editor to customize the number of stress levels, number of views, number of heart cycles and systolic or full-cycle capture.</p>
1	<p>AutoEF</p> <p><u>AutoEF</u></p> <p>Automated EF measurement tool based on the 2D-speckle tracking algorithm. Calculation according to the Simpson algorithm.</p> <p>Integrated into the M&amp;A package with worksheet summary.</p> <p>Easy to use and needs less time than conventional Simpson.</p>
1	<p>DICOM Network Connectivity</p> <p>DICOM Network Connectivity provides DICOM output to a DICOM server and Dicom Media Interchange. Includes Verification AE, Image Export AE (network storage), Modality Worklist AE, Media Creator, Storage Commitment, Performed Procedure Step, and DICOM Print.</p>
1	<p>M4S-RS Matrix Phased Array Transducer</p> <p>Wide-band multi-frequency transducer with bandwidth between 1.5 and 3.6 MHz. Applications include: cardiac, pediatric heart, coronary, fetal heart, adult cephalic, abdominal and renal.</p>
1	<p>P2D Transducer</p>

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	2 MHz Non-Imaging Single CW Doppler Transducer. Preferred Applications: Cardiac.
1	<p>Safelock Cart (safe lock included)</p> <p>Compact cart with adjustable height, easily transportable. A one-click docking mechanism secures the system in place with both mechanical and electrical docking. No other cables to attach. System handle serves as an armrest during use for comfort and ergonomics. Includes a plastic basket, pencil probe holder, safe lock and a rear cable hanger.</p>
1	<p>English Cart regional support kit (USA-110V)</p> <p>Power Supply (USA -110V)</p>
1	<p>Vivid i RollPack</p> <p>RollPack portable case on wheels</p>
2	<p>External ECG Cable</p> <p>ECG Cable to External ECG System</p>