

PURCHASE ORDER: 558-B90058

SHIP TO: VA Medical Center  
V.A. Medical Center  
Warehouse  
508 Fulton Street  
DURHAM, NC 27705-3897

Line	Qty.	Catalog	
1	1.00	H45591NG	Vivid" E95 4D v202 Leadership CV U/S scanner

The Vivid\* E95 combines the proven breadth and performance of the Vivid product line with a new and innovative software based image processing platform: cSound\*. The Vivid E95 is GE cardiovascular ultrasound's leadership scanner. The system is designed to excel in adult 2D and 4D cardiac imaging, as well as in the following clinical application areas: pediatric cardiac, fetal, obstetrics, abdominal (incl. renal, GYN, Pelvic), pediatrics, small organ (incl. breasts, testes and thyroid), adult and neonatal cephalic, peripheral vascular, musculoskeletal conventional, urology, prostate, transesophageal, transrectal, transvaginal and intraoperative

(incl. vascular, thoracic, cardiac and abdominal). The Vivid E95 4D Leadership Console Package is delivered with: - The Vivid E95 4D Leadership console - A 22-inch-high resolution wide screen OLED monitor for excellent spatial and dynamic resolution. - The USA language kit. - 3 (three) days of on-site applications training

System Architecture GE's exclusive, programmable and flexible beamforming technology, cSound, provides exceptional image quality and power compared to conventional GE hardware-based beamforming technology. In 2D, cSound offers true confocal imaging without the limitation of focal zones or sacrifice of frame rate and spatial resolution. In 4D, cSound delivers high spatial resolution at large volume sizes in full volume single beat and multi beat 4D acquisition. Using both coherent and harmonic image processing, the system provides computational power, ease of imaging, workflow flexibility and product upgradeability. The Vivid E95 is designed to excel in the following areas: Exceptional image quality is created through the use of True Confocal Imaging. True Confocal Imaging is enabled by the cSound platform taking advantage of advanced software-based image reconstruction and innovative graphics computer technology. The Vivid E95 combines Ultra Definition Clarity filtering, HD Imaging (excellent resolution, penetration and image uniformity), Adaptive Contrast Enhancement (ACE) and virtual apex (larger field of view) to deliver a new level of image quality in GE cardiovascular ultrasound. Probe technology The XDclear\* series of probes are designed to help deliver powerful and efficient sound waves, with high bandwidth and efficiency. XDclear probe technology provides impressive deep penetration and high sensitivity while maintaining high spatial resolution. The combination of Single Crystal, Acoustic Amplifier and Cool Stack technologies is the core technology of the XDclear series of probes. Ease of Use features make Vivid E95 a productive 4D and 2D cardiovascular ultrasound system. Ease of use in 4D imaging is accomplished with a number of GEHC exclusive innovations, including Single Beat 4D, 4D Views, Advanced 4D User Toolbox, Advanced 4D User Quantification Package, 4D Stress Echo, 4D Auto LVQ including 4D Strain and 4D Auto AVQ. Ease of use for the operator in 2D imaging is provided by the cSound technology delivering auto optimized excellent image quality with minimal manipulation along with automated tools like 2D Auto EF, AFI Productivity Package, AFI Stress, Scan Assist Pro and Cardiac Auto Doppler. Ergonomic features include a highly portable design with electronically adjustable height and keyboard, articulating monitor arm (horizontal and vertical), and lightweight transducers combining to make the Vivid E95 an ergonomic-friendly cardiovascular ultrasound system. The cSound platform takes GE's Raw Data to a new level. For image processing and reconstruction, the Vivid E95 utilizes more than 100 times the data compared to its predecessor. Additionally, the Vivid E95 uses an innovative 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. The following standard configuration items are included in the Vivid E95 4D Leadership Console Package: - Vivid E95 4D Leadership Console- 22 inch wide screen OLED monitor- USA language Kit- 3 (three) days of on-site application training (see additional description below)- 4D single, dual, multi beat-Flexi-Volumes- Biplane- Triplane- 5-slice, 7-slice, 9-slice, 12-slice- 4D Color- Depth Color Render with multiple maps- Stereo Vision- Easy 4D (Auto LVQ, 4D Views, 4D Stress)- Advanced 4D User Package- Auto Align, Measure on Render, Dynamic Crop/- Dynamic 9-slice, Live 9-slice- 4D workflow package: - QuickRotate, 2-Click Crop, FlexiSlice, Laser Lines, Biplane Prepare, FlexiZoom, FlexiViews- Scan Assist (4D stress, 2D stress, CRT protocols)- Scan Assist Pro (protocol driven exams)- UD Clarity- 4D Clarity- HD Imaging- CPI- AMM, Curved AMM- TVI, Tissue Tracking- Auto Optimization (2D)- ASO- Compound- True Confocal Imaging- Virtual apex imaging- Adaptive Contrast Enhancement (ACE)- Extended Field of View (LOGIQView)- Q-Analysis: Qstress, QTVI, QContrast- Advanced Vascular (BTI, BFI, Speckle Reduce)- Z Scores for pediatrics- DICOM\*\* Media (embedded viewer requires optional purchase)- DICOM SR (Cardiac, Vascular, Pediatrics)- Heart Failure Report- DICOM Connectivity Package (Modality Worklist, Print, Storage)- EchoPAC\*, Patient Archive- Report Designer, Statement Engine, Normal Values, E-Sign-off, Communication- Configurable prospective, retrospective capture- LVO Contrast- Quick Apps- Virtual Convex- Cardiac Auto Doppler- Enhanced security features (Disk Encryption, LDAP) Applications Training: (included with the Vivid\* E95 4D Leadership Console Package): The Vivid\* E95 4D Leadership Console Package includes three (3) days of On-site Applications Training. The On-site Applications Training must be completed within six (6) months after Product delivery, otherwise GE Healthcare's obligation to provide the training will expire without refund. Additional On-site Applications Training days are available for purchase. Customer workflow permitting and abiding by SDMS criteria, sonographer install CE's may be provided during install training. The following options can be purchased for the Vivid\* E95 4D Leadership Console Package - Additional On-Site Application Training days- Vascular Contrast (optional purchase)- PolarVision, Polarized Stereo Vision for use with Sony\*\*\* 3D monitor (optional purchase)- Stress (optional purchase)- AFI Productivity Package (AFI, Triplane AFI, - AFI with TEE, Peak Strain Dispersion) (optional purchase)- 2D Auto EF (optional purchase)- Myocardial Work (optional purchase)- IMT (optional purchase)- Rodent (optional purchase)- LV Mass Only (optional purchase)- 4D Strain and LV Mass (optional purchase)- Advanced QScan (optional purchase)- 4V Enable (optional purchase)- 4D Auto MVQ (optional purchase)- 4D Auto RVQ (optional purchase) - 4D Auto AVQ for aortic annulus quantification (optional purchase)- HDlive\* for photo realistic visualization (optional purchase)- AFI Stress (optional purchase)- Blood Speckle Imaging (optional purchase)- Embedded DICOM viewer on media (optional purchase)- DVD, CD-R drive (optional purchase)- View-X

(optional purchase) \*Vivid, XDclear, cSound, HDlive and EchoPAC are trademarks of General Electric Company or one of its subsidiaries\*\*DICOM is the registered trademark of the National Electrical Manufacturers Association for its standards publications relating to digital communications of medical information.\*\*\*Third party trademarks are the property of their respective ownersSony is the registered trademark of Sony Corporation.

Line	Qty.	Catalog	
2	1.00	H44901AE	M5Sc-D XDclear* Matrix Phased Array Probe

Matrix Phased Array probe with GE's highest performing XDclear\* transducer technology, an innovative combination of advanced materials and acoustic design providing ultra-wide bandwidth and superb image quality. Applications vary depending on the ultrasound system and may include Cardiac, Pediatrics, Fetal Heart, Abdominal, Coronary, Transcranial, Contrast, and Stress Echo. Datasheets for specific ultrasound systems contain additional details including specific applications, biopsy availability, and additional probe technical specifications. \*Trademark of General Electric Company

Line	Qty.	Catalog	
3	1.00	H45591KK	4Vc-D with XDclear* and Enable Probe

Electronic Real Time 4D phased array probe with GE's proprietary XDclear technology, an innovative combination of advanced materials and acoustic design. This probe provides ultra-wide bandwidth and superb image quality in a lightweight and ergonomic package. It supports all cardiac ultrasound modes, including 4D imaging. Preferred applications may vary depending on the scanner running the probe, and may include Cardiac, Pediatrics, Fetal Heart, Abdominal, Coronary, Transcranial, Contrast, and Stress Echo. Datasheets for specific ultrasound systems contain additional details including specific applications and additional probe technical specifications. The 4Vc-D Enable option enables image acquisition with the 4Vc-D probe on the Vivid\* E95 and Vivid E90 with the 4D option installed. The 4Vc Enable requires console to be at v202 R2.1 or above software level. This kit contains: Qty 1: 4Vc-D Probe with XDclear\* Qty 1: 4Vc-D Enable\*Trademark of General Electric company.

Line	Qty.	Catalog	
4	1.00	H4830JE	P2D CW Pencil Probe

Non-imaging pencil probe for CW Doppler examinations of cardiac flow. Datasheets for specific ultrasound systems contain additional details including probe technical specifications.

Line	Qty.	Catalog	
5	1.00	H45561GX	AFI Productivity Package

Includes Automated Function Imaging, AFI for TEE, and Triplane AFI if the 4D option or system is also purchased.

Line	Qty.	Catalog	
6	1.00	H45561NC	Smart Stress

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. 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.

Line	Qty.	Catalog	
7	1.00	H45561ND	2D Auto EF

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.

Line	Qty.	Catalog	
8	1.00	H45561RK	Advanced QScan Imaging

Dedicated parametric imaging applications for quantitative display of regional wall deformation. 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: - simultaneous acquisition of tri-plane TSI images covering all standard segments in apical views with more than 100 fps- efficient segment specific TSI time measurements- immediate Bull's eye report- automatic calculated TSI synchrony indexes Strain and Strain Rate Imaging show myocardial systolic deformation and the rate of deformation in real time. These applications are supported by M4S probe. These imaging modes can be derived offline out of tissue Doppler data also.

Line	Qty.	Catalog	
9	1.00	H45581EG	High Definition 4D visualization

The HDlive\* option provides enhanced visualization of 3D cardiovascular anatomy through use of advanced shadowing, reflection and shading algorithms in combination with advanced depth rendering techniques. HDlive operates during live acquisition and replay modes with selectable color maps. \*HDLive is a trademark of General Electric Company or one of its subsidiaries.

Line	Qty.	Catalog	
10	1.00	H45581NB	Vivid E90, E95 DVD Option

The Vivid E95, E90 DVD option kit includes the DVD drive (hardware) for installation on the Vivid E90, E95.

Line	Qty.	Catalog	
11	1.00	H45591HS	Wireless USB adapter

Wireless external G type USB adapter with extension cable and hardware for mounting on the rear panel.

Line	Qty.	Catalog	
12	1.00	H45521AL	Stress Cable Set

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.

Line	Qty.	Catalog	
13	1.00	H45571ZA	Vivid E9 Technology Course: Full Service Package

Product-specific trainingTraining conducted at GE Healthcare InstituteAll inclusive pricing package. This 2.5-day course is designed to help customers realize the full potential of their technology investment. Instruction includes: in-depth technology review, image optimization and system customization. Highlights include technical and clinical lectures as well as focused hands-on scanning under the supervision of product experts. Course must be redeemed within one year of purchase. Full service package includes: Course tuition, airfare, hotel and breakfast/lunch while in training for one attendee. This course is approved for SDMS credit.