

XR US, VAMC CHEYENNE, WY

PO# 442-B70008

	<b>1</b>	<b>Vivid E95</b>
1	1	<p>Vivid* E95 4D Leadership Console Package</p> <p>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.</p> <p>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).</p> <p>The Vivid E95 4D Leadership Console Package is delivered with:</p> <p>The Vivid E95 4D Leadership console</p> <p>A 22 inch high resolution wide screen OLED monitor for excellent spatial and dynamic resolution.</p> <p>The USA language kit.</p> <p>3 (three) days of on-site applications training</p> <p>System Architecture</p> <p>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:</p> <p>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</p>

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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 and Scan Assist Pro.

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

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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  
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)

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Q-Analysis: Qstress, QTVI, QContrast  
Advanced Vascular (BTI, BFI, Speckle Reduce)  
eVUE, MPegVue  
Z Scores for pediatrics  
DICOM\*\* Media (embedded viewer requires optional purchase)  
DICOM SR (Cardiac, Vascular)  
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  
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)  
IMT (optional purchase)

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Rodent (optional purchase)  
 LV Mass Only (optional purchase)  
 4D Strain and LV Mass (optional purchase)  
 Advanced QScan (optional purchase)  
 MV Assessment (Tomtec<sup>\*\*\*</sup>) (optional purchase)  
 4V Enable (optional purchase)  
 4D Auto AVQ for aortic annulus quantification (optional purchase)  
 HDlive\* for photo realistic visualization (optional purchase)  
 AFI Stress (optional purchase)  
 RV Volume (Tomtec) (optional purchase)  
 Embedded DICOM viewer on media (optional purchase)  
 DVD, CD-R drive (optional purchase)  
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 \*\*DICOM is the registered trademark of the National Electrical Manufacturers Association for its standards publications relating to digital communications of medical information.  
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 TomTec is the registered trademark of TomTec Imaging Systems

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

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M5Sc-D XDclear\* Transducer  
 XDclear is GE's highest performing transducer technology which is an innovative combination of advanced materials and innovative acoustic design. This phased array cardiac transducer merges matrix array with XDclear technology and provides ultra-wide bandwidth and superb image quality. Preferred applications may vary depending on the scanner running the probe, and may include cardiac, pediatrics, fetal heart, abdominal, coronary, transcranial, contrast, stress echo. Biopsy kit available.

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P2D 2 MHz CW Pencil Probe

2MHz non-imaging pencil probe for CW Doppler examinations of cardiac flow. Non-imaging. Requires CW option.

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Vivid E95 Advanced Bundle

The Vivid\* E95 Advanced Bundle option includes the following software options:

Advanced Qscan

Stress

2D Auto EF

AFI Productivity Package

4D Strain and 4D LV Mass.

\*Vivid is a trademark of General Electric Company or one of its subsidiaries.

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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.