

GE Healthcare



Voluson E10

EXTRAORDINARY VISION



The Voluson™ difference is based on dedication to Women's Health – we are able to partner with our customers to understand the requirements for the changing medical environment. Dedication to Women's Health allows us to stay in touch with the latest trends in medical diagnosis and treatment and to develop solutions to help you with Imaging Performance and Efficiency.

The new Voluson E10 was designed with our customers in mind.



GREATER INSIGHTS FASTER*



The latest in our Expert series, the Voluson E10 ultrasound system is designed for the leading-edge women's health practice. Where complex cases are the rule, not the exception. Where difficult diagnostic questions are resolved on a daily basis. Where patients come for confident answers.

The Voluson E10 with our new Radiance System Architecture is our most advanced Voluson yet – delivering innovative OB/GYN imaging with clarity, speed and flexibility.

The system focuses on enhanced efficiency – utilizing the Voluson Workflow, a familiar system design and enhancements for automation, productivity and connectivity to address your busy practice.

The Voluson E10 is your gateway to electronic 4D imaging – whether today or in the future – have confidence that you have access to the latest Voluson technologies to help address your toughest diagnostic challenges.

* Compared to Voluson Expert Series BT13

OUR LEGACY OF INNOVATION ENTERS **A NEW ERA**

To help meet your extraordinary clinical and workflow needs, the Voluson E10 introduces the innovative **Radiance System Architecture**. The Radiance System Architecture sets a new standard in imaging performance to give you*:

MORE CLARITY

4x Ultrasound Pathways for spectacular 2D and 3D/4D images with increased penetration.

MORE SPEED

10x the data transfer rate for higher resolution and very fast frame rates.

MORE FLEXIBILITY

4x the processing power for advanced applications and efficient workflow.

As a result, you can have extraordinary confidence in your ability to:

- Image a comprehensive range of complex women's health issues
- Assess fetal health from the early stages
- Increase workflow efficiency and productivity
- Deliver the high level of imaging excellence your practice demands

The Radiance System Architecture of the Voluson E10 provides the robust image quality you've come to expect from GE Healthcare. From superb 2D images to new 3D/4D imaging technologies, you can have confidence in the accuracy of the image detail.

* Compared to Voluson Expert Series BT13



Our best just got better – more detail, more clarity in less time... powered by the Radiance System Architecture. With sophisticated beam formation, powerful processing and new rendering technologies, the Voluson E10 system offers you the best image quality you have ever seen from a Voluson*...in less time.

Electronic 4D

The Voluson E10 is designed to be the foundation for Voluson e4D technology – offering you the 4D imaging opportunities that you dreamed of having for OB/GYN exams and fetal echocardiography.

The Radiance System Architecture, together with the world's first commercially available curved electronic matrix 4D probe, eM6C, combines to deliver ultra-fast volume rates, flexible imaging formats and the excellent resolution you have come to expect from a Voluson.

HDlive

HDlive™ – an industry leading technology, has brought anatomical realism to the next level with the introduction of two new innovative technologies.

HDlive Silhouette – helps you make a confident volume assessment of 1st trimester anatomy.

HDlive Flow – presents vascular structures with greater anatomical realism*.

V-SRI

This enhancement helps provide a high level of speckle reduction utilizing volume/voxels versus traditional single slice imaging. It helps improve 3D/4D quality in multi-planar studies and also provides an enhanced smoothing effect on rendered images which helps improve diagnostic confidence.

SonoRenderlive

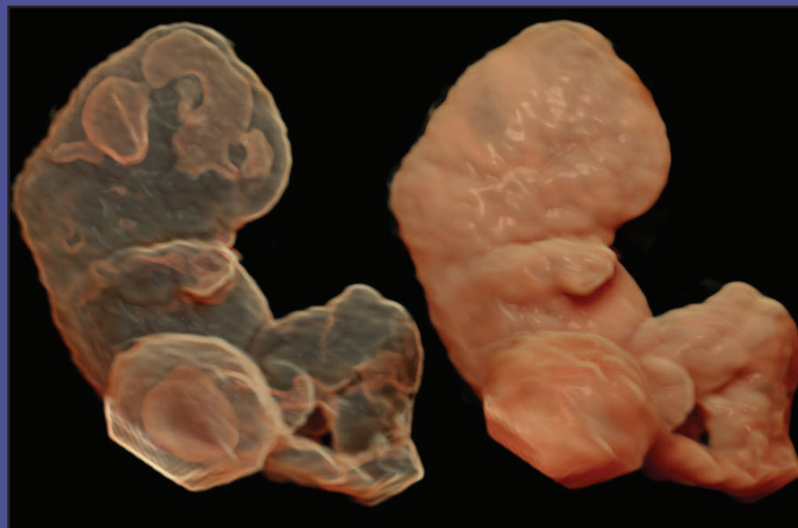
Helps enhance efficiency in volume rendering with automated placement of the render line for optimal surface rendering. SonoRenderlive continuously updates render line placement with fetal movement during 4D examinations.

YOUR VISION – NEW PERSPECTIVES

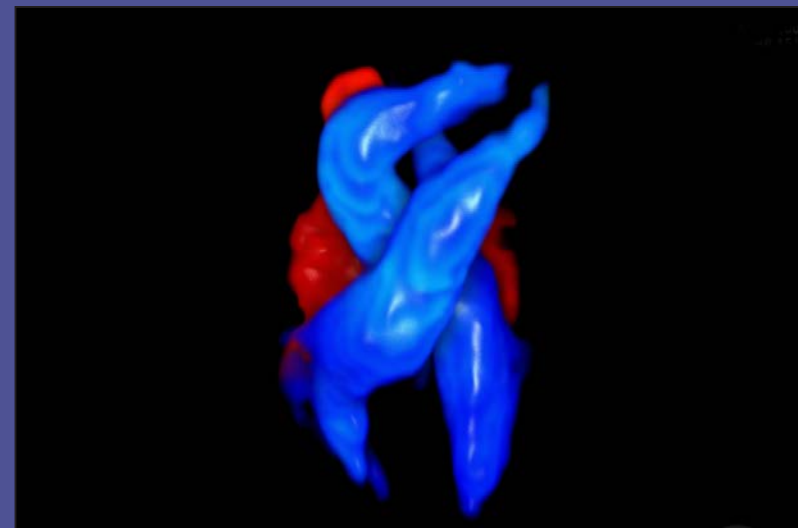
*Compared to conventional color Doppler or HD-Flow



Electronic 4D offering ultra-fast volume rates and flexible imaging formats



HDlive Silhouette helps you with early health assessment



HDlive Flow presents vascular structures with greater clarity



V-SRI provides enhanced contrast resolution effect helping improve visualization

CONTEMPORARY DESIGN TO HELP FIT **YOUR NEEDS**



Maximize efficiency with 23" widescreen LED monitor

- Customizable layout to match your workflow needs
- Report preview enabling immediate feedback on diagnostic measurements
- Image presentation in Standard or XL format allows you to see tiny details clearly

One touch responsiveness. Simplified workflow.

- 12.1" Touch Panel with multi-touch
- Electronic TGC
- Efficient menu navigation with swipe technology

Quick and easy 1-button control panel up/down function allows for optimal ergonomics.

Probe port illumination

Fast, secure data management for efficient communication

- Integrated Software Digital Video Recorder, including USB recording
- Fast USB 3.0 connectivity
- Easy DICOM* integration

*DICOM is the registered trademark of the National Electrical Manufacturers Association for its standards publications relating to digital communications of medical information

GAIN EFFICIENCY WITH AUTOMATION

Every minute counts so we continue to develop **easy-to-use automation tools** that help streamline workflow.

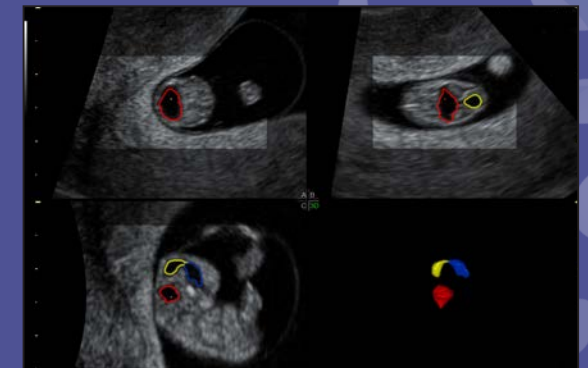
- **SonoBiometry** – Performs semi-automated biometry measurements (BPD, HC, AC and FL) to help reduce keystrokes
- **SonoNT™** (Sonography-based Nuchal Translucency) and **SonoIT** (Sonography-based Intracranial Translucency) – Voluson technologies that help provide semi-automatic, standardized measurements of the nuchal and intracranial translucency in the 1st trimester. Both tools can integrate easily into your workflow. SonoNT helps reduce the inter- and intra-observer variability that comes with manual measurements, and helps provide you with the reproducibility you demand
- **SonoVCAD™heart** (Sonography-based Volume Computer Aided Display heart) – Helps standardize image orientation of the fetal heart by providing recommended views obtained from a single volume acquisition
- **SonoAVC™general** (Sonography-based Automated Volume Count general) – Innovative research tool to help provide visualization and measurement of hypoechoic structures within anatomy such as the fetal brain, kidneys and gynecological sonohystograms



SonoNT – semi-automated nuchal translucency



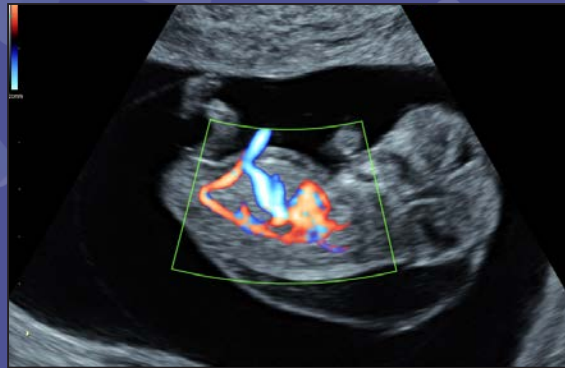
SonoBiometry – semi-automated abdominal circumference



SonoAVCgeneral applied to brain structures

EARLY INFORMATION. EARLY INTERVENTION.

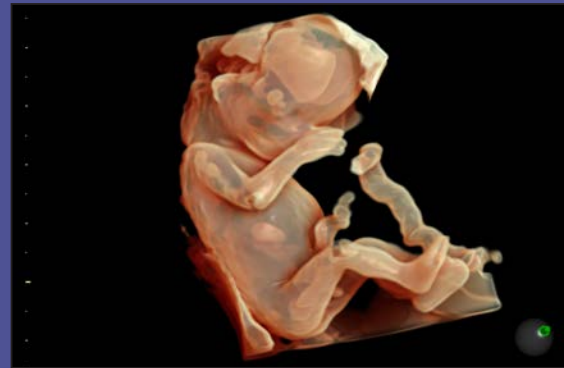
With advanced applications and superb image quality, the Voluson E10 system supports a woman's health throughout her pregnancy. From 1st trimester studies to fetal cardiac assessments, the system gives you information that helps you detect and diagnose problems early so you can intervene sooner.



HDFlow with excellent spatial resolution and sensitivity



High Frequency Imaging with RIC6-12 transducer - fetal brain



HDlive Silhouette exposing early bone development



Aortic arch demonstrated with 2D imaging and HDFlow



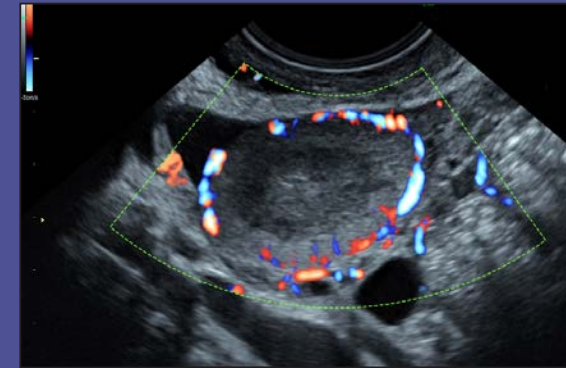
HDlive Flow - 13 week fetal circulatory system



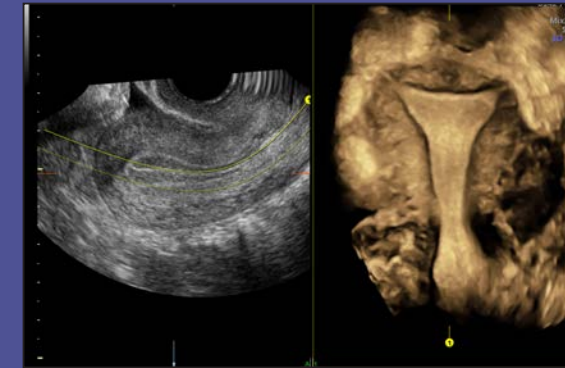
Excellent detail and contrast resolution in the fetal heart



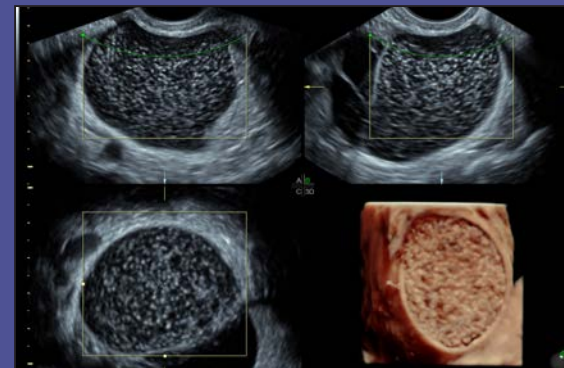
Uterus with excellent detail resolution



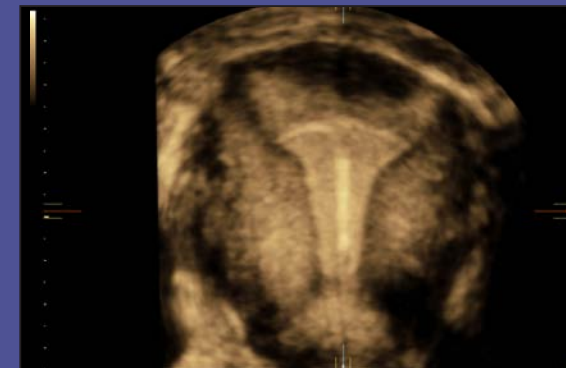
HDFlow - excellent color sensitivity



OmniView applied to the uterus



Sectional planes - ovarian mass



Coronal uterus with VCI showing IUD placement



HDlive Silhouette showing septate uterus

DIAGNOSTIC FLEXIBILITY. INCREASED CONFIDENCE.

Voluson E10 imaging tools help you improve visualization and identification of pathology across the wide breadth of applications in gynecologic exams.

FLEXIBILITY AND CLARITY VOLUSON TRANSDUCERS

See with more clarity than you every thought possible with your Voluson transducers. The Voluson E10 offers a suite of probe technologies to meet your unique clinical needs – including enhanced image quality on many existing transducers.

Matrix Transducers

eM6C – the world's first commercially available curved electronic matrix 4D probe, delivers ultra-fast volume rates, flexible imaging formats and the excellent resolution.

RM6C volume matrix probe for high-resolution convex volume imaging.

ML6-15-D linear probe features matrix technology for breast imaging, providing excellent spatial resolution and image uniformity in a 50 mm footprint.

High Utilization Transducers

C1-5-D abdominal probe helps deliver a high level of performance and deep penetration – even on large patients.

RAB6-D ultra-light volume probe – User fatigue may be reduced with this GE volume probe that is 40% lighter than the previous GE version. Its ergonomic design provides outstanding image quality in 2D and 3D/4D, features a pinless connector and sits comfortably in the clinician's hand.

High Frequency Transducers

9L-D wide-band 2D linear abdominal probe helps provide high quality images in the 1st trimester.

RIC6-12-D high resolution 4D endovaginal probe helps visualize fine details early in the 1st trimester and in gynecology exams.

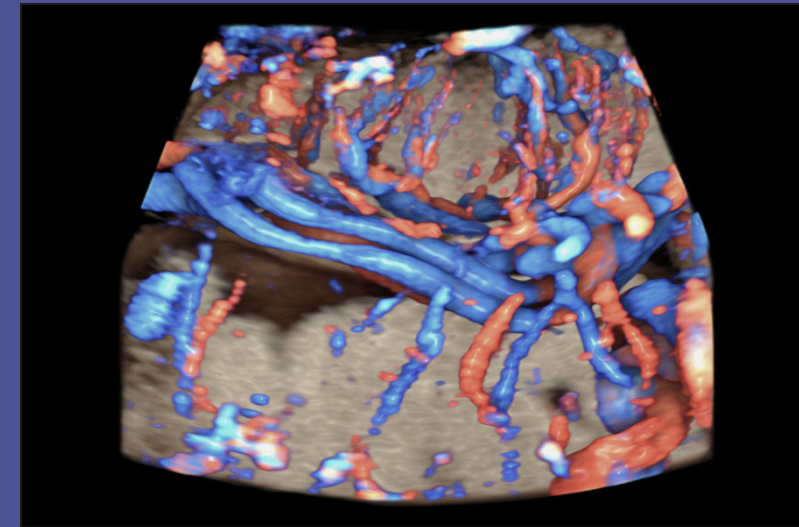
C4-8-D high frequency abdominal probe helps provide exceptional high resolution obstetrical images during each trimester.



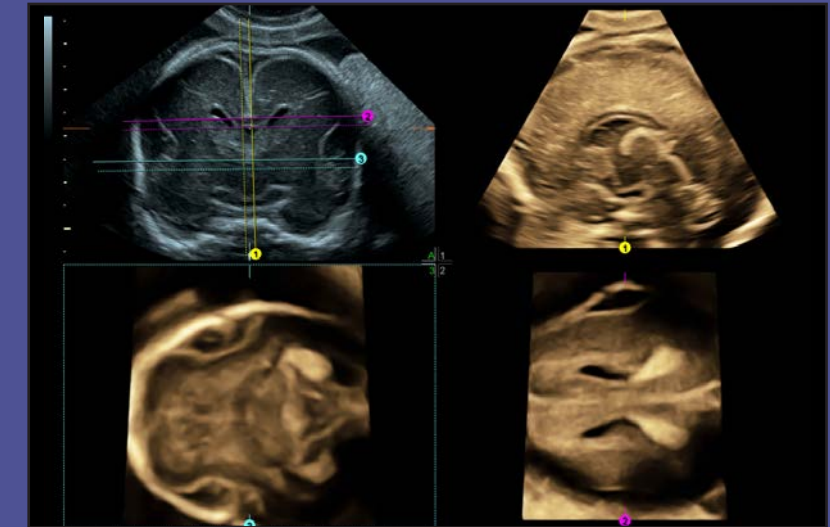
9L-D. Excellent detail and penetration of a 26 week fetal abdomen



RAB6-D. 27 week fetal profile



RM6C. HD*live* Flow umbilical cord and placental flow



Brain displayed with Advanced VCI with Omniview

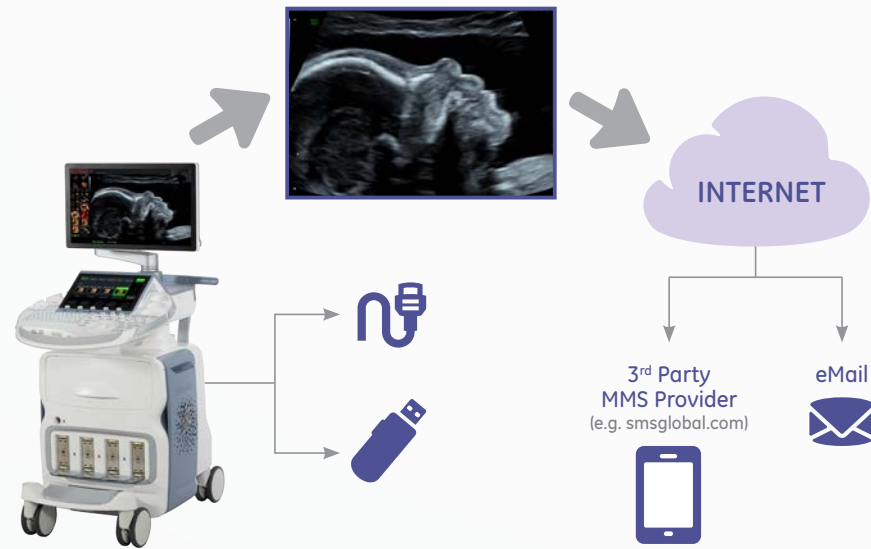
EASE OF USE AFTER IMAGE ACQUISITION

With our powerful ultrasound data management solution, **ViewPoint™**, you can help streamline your workflow. Efficient digital connectivity gives you freedom and flexibility, and helps improve the archiving of images, volumes and structured reports.

- Help improve accuracy and save time by transferring image and measurement data with one click
- Interface with enterprise-wide systems, such as EMR and PACS for data when and where you need it
- Quickly create reports while capturing data for later analysis. Optimize, manipulate and analyze volume ultrasound data offline to free your ultrasound system for imaging more patients
- Access robust databases to document findings



Voluson E10's **Radiance System Architecture** provides efficiency and security with email export directly from the system. This easy-to-use feature can help save precious time communicating with referring physicians, colleagues or patients – to help you focus on what is important – your patients.



Direct email export of reports and images for referring physicians or patients

JOIN THE CLUB. **VolusonClub.**

Among the benefits of membership are:

- Product educational videos on basic and advanced topics
- Product tips and tricks
- White papers about clinical benefits of Voluson technology
- Listings of tradeshow and educational courses where Voluson will be available
- Information on Voluson products and upgrades
- And much more!

Learn, Network, Share at www.volusonclub.net.

At your service – throughout the relationship

With the Voluson E10, you can count on responsive service and support from GE Healthcare. We know that a long-term relationship depends on providing you with technologies and programs that truly meet your needs for equipment maintenance and service, transducer protection and financing.



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 and 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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imagination at work