

GE Healthcare



# Voluson E8

EXTRAORDINARY VISION





# HIGH-VOLUME PRACTICES REQUIRE IMAGE QUALITY AND EFFICIENCY

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The more patients you see, the more you need Voluson™ E8.

The Voluson E8 ultrasound system is designed to keep pace with busy practices – handling routine to complex women’s health exams with ease and precision.

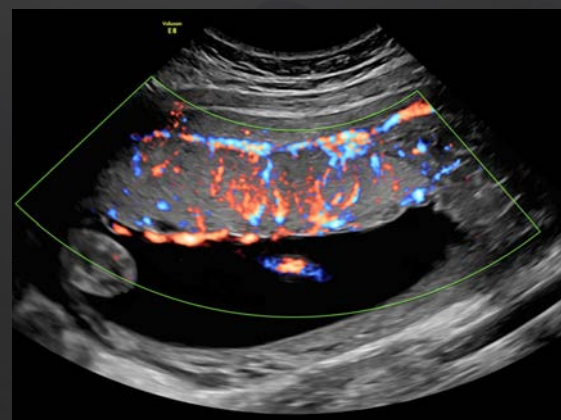
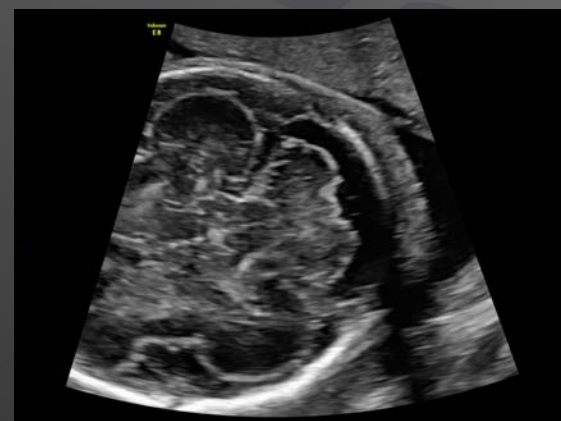
Leveraging the Radiance System Architecture, the Voluson E8 delivers workflow flexibility and clinical efficiency to maximize your day. The imaging excellence of the system will enhance your diagnostic confidence with extraordinary image clarity and speed.

The Voluson E8 delivers:

- Easy to acquire 2D/3D images, excellent color Doppler sensitivity and sophisticated 3D/4D technologies
- Enhanced exam efficiency and accuracy through Voluson automation tools
- Secure connectivity to share and collaborate ultrasound findings with patients and colleagues
- A simplified exam process, from patient scheduling to exam reporting, with Voluson and ViewPoint™ integration
- The ability to expand your services as your practice needs evolve

From superb imaging to workflow enhancements, the Voluson E8 provides you with a unique Women’s Health solution to deliver the high level of imaging performance your practice and your patients demand.





# GREATER DETAIL LESS EFFORT

A busy practice does not have time to manipulate settings to obtain critical image detail. With the innovative Radiance System Architecture of the Voluson E8, you don't have to – it's all right there on the screen.

The innovative design and powerful capabilities of the Radiance System Architecture take the work out of scanning and let you focus on the image detail for diagnostic assurance.

- Advanced beamformer design – enhancing contrast resolution by moving more functions from hardware to software
- High performance CPU – delivering faster processing speeds and frame rates
- Parallel processing – improving image quality and frame rates

From superb 2D images to our new 3D/4D imaging technologies, you get excellent image quality with minimal effort and time.



# CLARITY WITH EASE

The Voluson E8 provides access to advanced rendering technologies that bring out extraordinary clinical detail and workflow enhancements helping simplify volume rendering – offering an easy, yet essential problem-solving tool.

## HDlive™

On the Voluson E8, you have access to suite of HDlive technologies that bring unprecedented anatomical realism through advanced skin illuminating and shadowing techniques to help reveal a unique perspective for a higher level of diagnostic confidence.

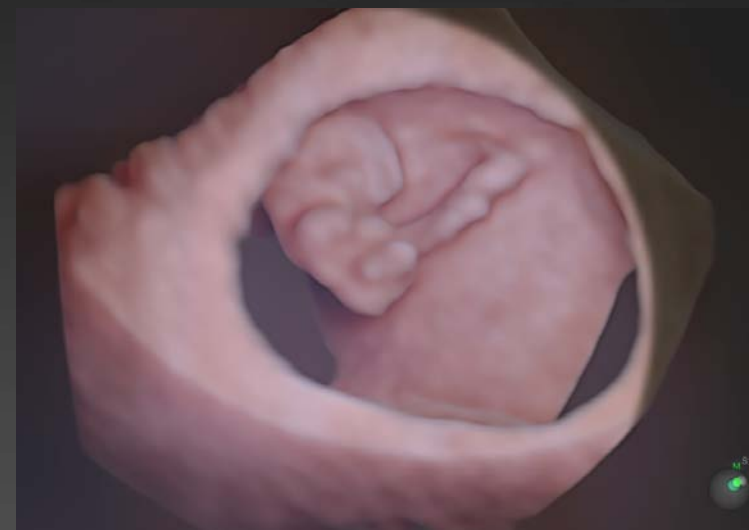
- **HDlive Silhouette** – Dynamically apply transparency to rendered structures for a more comprehensive view of anatomy from a solid surface structure to developing internal anatomy
- **HDlive Studio** – Illuminate anatomy and fluid with up to three independent light sources of variable color, intensity and direction to focus on even the tiniest of structures
- **HDlive Flow** – Clearly display vascular structures with greater dimension – from small vessels to the great arteries
- **HDlive Flow Silhouette** – Visualize blood vessels from a surface or targeted transparent view to provide greater insight into vascular anatomy and surrounding structures\*

## Advanced Volume Contrast Imaging (VCI) with OmniView

- **Advanced VCI** – Adjusts slice thickness on 3D or 4D images to help enhance contrast resolution with use of render techniques such as bone and tissue renderings. Can be applied in the acquisition plane (VCI-A), static 3D volumes, or OmniView
- **OmniView** – Obtain any plane from a 3D or 4D volume by simply drawing a line, curve, poly-line or trace through a structure. This valuable technology enables views of even irregularly shaped structures not attainable in 2D imaging

## SonoRenderlive

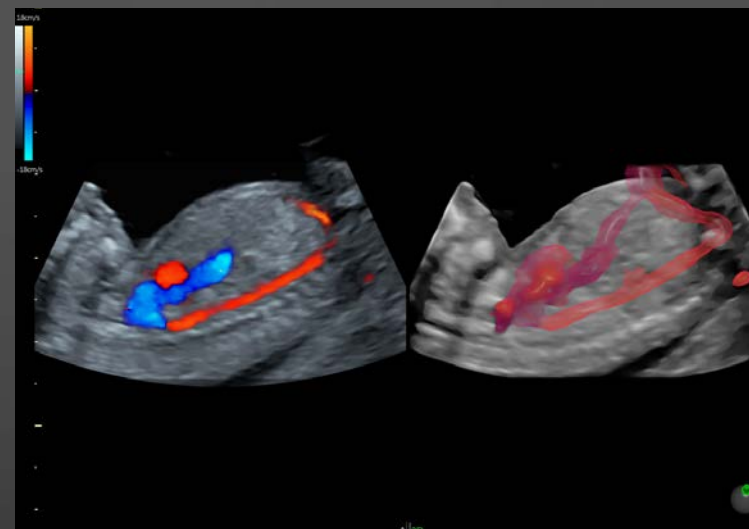
Facilitate volume rendering with an automated placement of the render line for optimal surface rendering. SonoRenderlive continuously updates render line placement with fetal movement during 4D examinations.



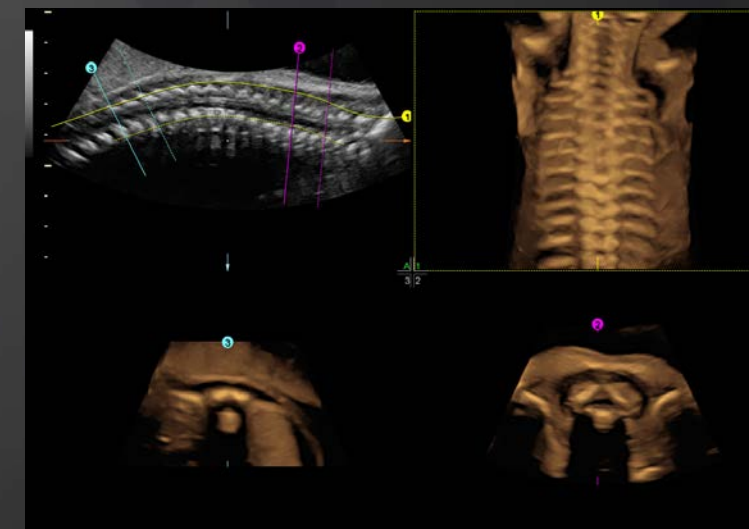
HDlive Studio – First trimester



Automated render line with SonoRenderlive



HDlive Flow Silhouette, 13 weeks



Skeletal rendering with Advanced VCI with OmniView

\*Compared to conventional Color Doppler or HD-Flow™

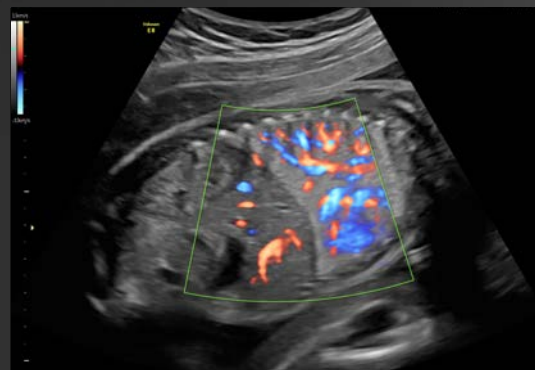


# DIAGNOSTIC VERSATILITY AND CONFIDENCE

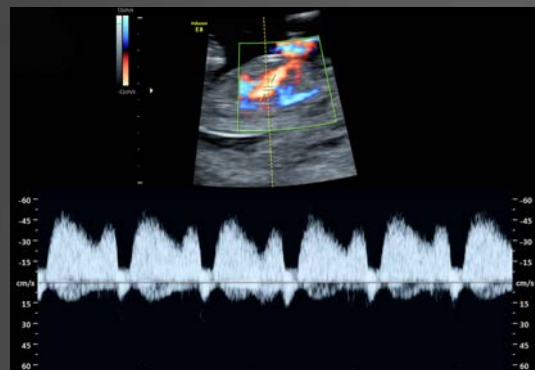
With advanced applications and excellent image quality, the Voluson E8 supports the health of a woman throughout her life. From the everyday to the complex, the system gives you information that can help detect and diagnose problems earlier so you can intervene sooner.



Excellent resolution at 13 weeks with HDzoom



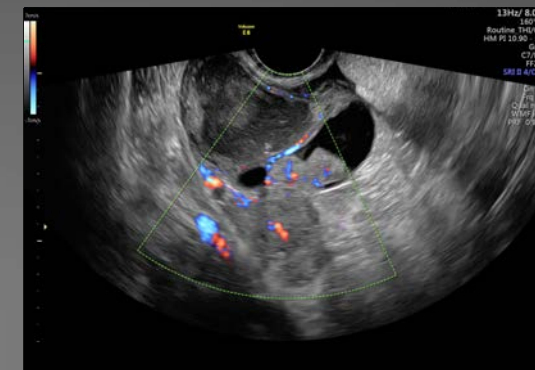
Sensitive HD-Flow of fetal lung perfusion



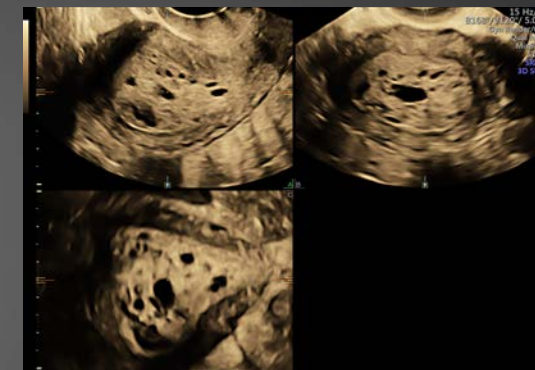
Ductus venosus flow at 13 weeks



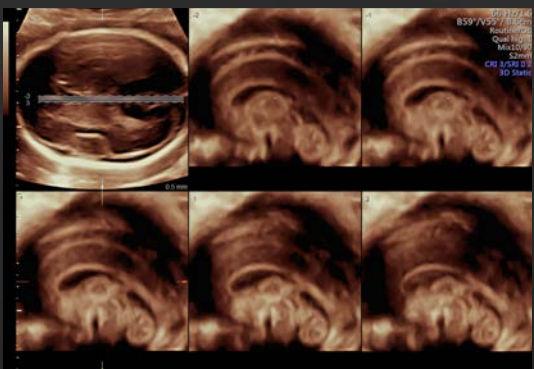
Excellent contrast resolution, ovary with BetaView



Ovarian mass with HD-Flow



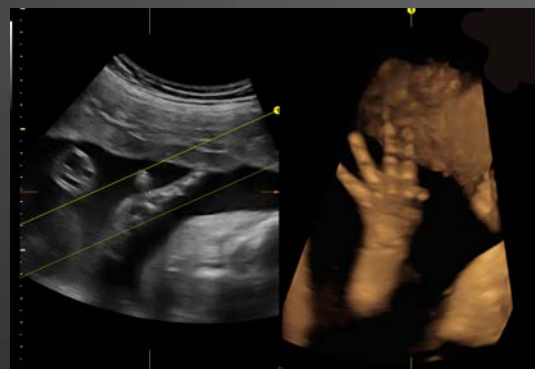
3D endometrial mass enhanced with VCI



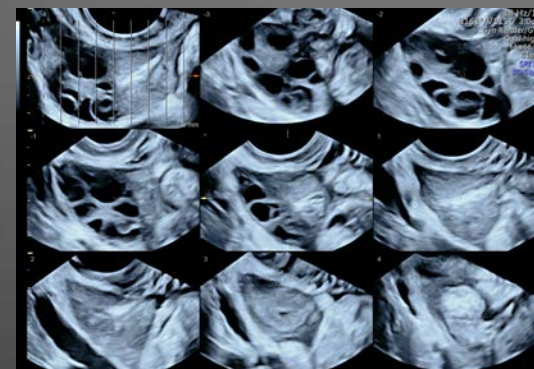
TUI display of corpus callosum and vermis with VCI



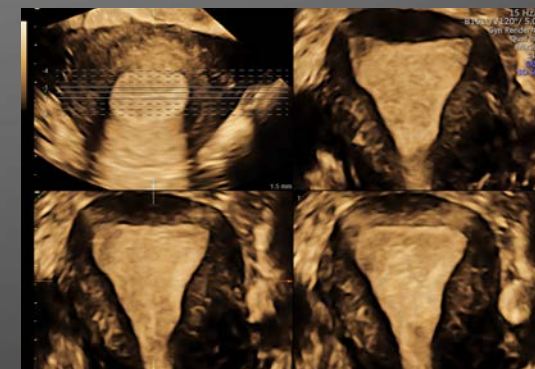
Facial details seen with HDlive studio



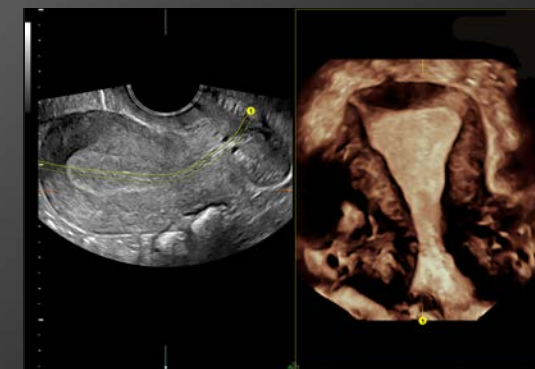
Fetal fingers captured with OmniView



TUI display of ovary with VCI



TUI display of coronal uterus with VCI



Coronal plane of endometrium with OmniView



# INTUITIVE DESIGN ENRICHED WORKFLOW

## Modern ergonomic design

- 23" widescreen LED monitor with customizable format, large clipboard, and standard/XL image formatting
- 12.1" Touch Panel with multi-touch functionality
- Quick and easy 1-button control panel up/down function for optimal positioning

## Simplified workflow

- Electronic TGC and efficient menu navigation with swipe technology
- Easy one-touch button workflow – commonly-used scanning modes are right at your fingertips on the main screen of the touch panel
- Barcode scanner for efficient entry of patient information
- ViewPoint synchronization for seamless data sharing and reporting
- 4 active probe ports with port illumination

## Fast, secure data management

- Secure User Management – unique user IDs for system access and tracking documentation
- Integrated Software Digital Video Recorder (DVR), including USB recording
- Directly export 3D print files in multiple formats
- Archive, collaborate and share images with 3G or cloud-based connectivity



## GAIN EFFICIENCY WITH AUTOMATION

Every minute counts – with Voluson's easy-to-use automation and enhanced protocol tools – you can simplify the patient exam process diminishing wait times and boosting patient satisfaction.

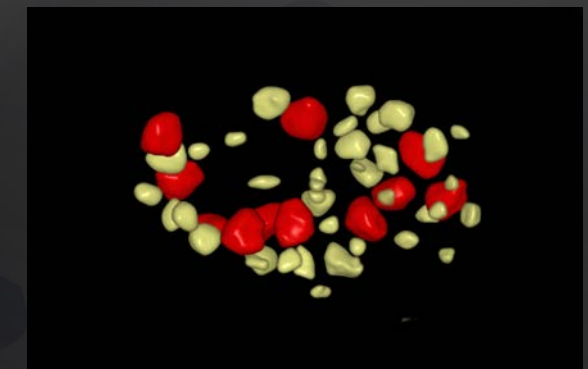
- **Scan Assistant** – Flexible, customizable exam protocol tool that helps increase exam consistency and productivity while documenting for quality assurance purposes. Helps guide you through an exam more efficiently aiding in annotation, measuring, and reporting, transferring data to an image management system or PACS based system on your order sequence and output requirements
- **SonoBiometry** – Performs semi-automated biometry measurements (BPD, HC, AC, FL and HL) 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 translucencies in the 1st trimester. Both tools can integrate easily into your workflow. SonoNT helps avoid 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) – By standardizing image orientation of the fetal heart, SonoVCADheart helps provide recommended views from a single heart volume or STIC acquisition
- **SonoAVC™** (Sonography-based Automated Volume Count) – Innovative tool helps provide visualization and measurement of hypoechoic structures within anatomy such as ovarian follicles, fetal brain or sonohysterograms



Scan assistant customizable gynecology protocol



SonoNT – semi-automated nuchal translucency



SonoAVCantral – semi-automated count of antral follicles



# PLUG INTO HIGH PROBE PERFORMANCE

The Voluson E8 offers a suite of probe technologies including access to specialized high frequency probes. With the power of the Radiance System Architecture, the system delivers exceptional image quality\* and clarity for your routine and most complex cases. The Voluson E8 is compatible with many existing Voluson Expert Series probes, thereby extending your financial investment.

\*Compared to Voluson Expert Series BT13.



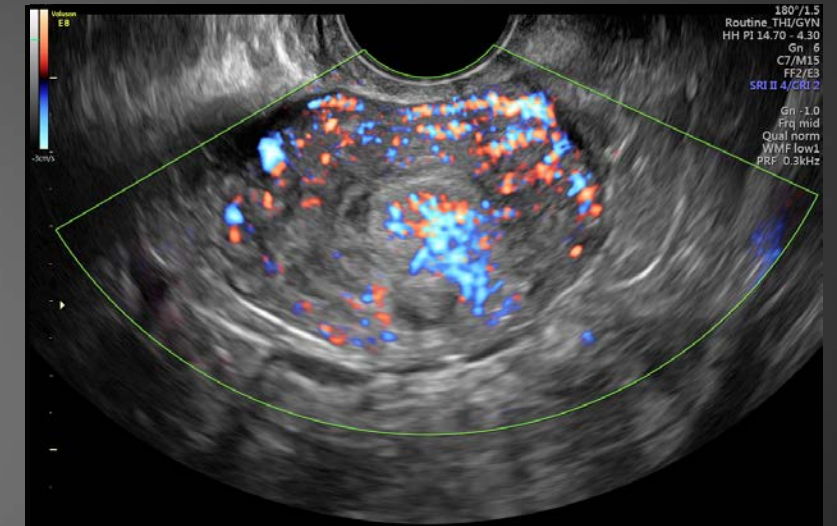
RAB6-D. 25 week fetal diaphragm and kidney



C4-8. 24 week cerebellum



9L. 27 week spine and spinal cord



RIC5-9. Sensitive HD-Flow within endometrial polyp



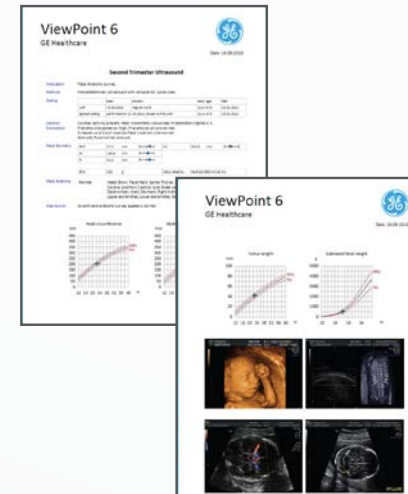
# CONNECT & SHARE SECURELY

In your increasingly digital world, the Voluson E8 presents unique offerings to digitally connect, via image archiving systems, referring physicians and patients while maintaining the privacy and security you need.

- Maintain patient privacy with user management and login credentialing. The system can be easily configured to restrict access without proper login
- Accurately transfer patient information to the Voluson E8 using a barcode scanner
- Enhance communication with referring physicians and patients by direct export of images and reports via Tricefy™, USB, LAN or 3G connectivity

With ViewPoint, our powerful patient reporting and archiving solution, you can further simplify your ultrasound workflow through efficient digital connectivity giving you freedom and flexibility to optimize the archiving of images, volumes and structured reports. Share patient information with colleagues securely to get the answers the patients seek.

- Manage patient appointments with an intuitive clinical scheduler
- Transfer patient information and image/measurement data with seamless Voluson/ViewPoint synchronization
- Compare, review, post-process, and archive images and clips
- Create, modify and share high-quality reports
- Interface with enterprise-wide systems, such as EMR and PACS for data



## JOIN THE CLUB. Voluson Club.

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](http://www.volusonclub.net).

## At your service – throughout the relationship

With the Voluson E8, 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.





## Imagination at work

Product may not be available in all countries and regions.  
Full product technical specification is available upon request. Contact  
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Data subject to change.

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