Improve your image

ClearVue 650 ultrasound system for women's health care

PHILIPS

Introducing the ClearVue 650

The performance you'll see from the ClearVue 650 ultrasound system is as beautiful as the system itself. Start with the design: it's sleek, with smooth, graceful lines. Next you'll notice how elegantly it functions, with features such as intuitive 3D/4D imaging that set it apart from other ultrasound systems.

Imagine a new dimension

Your patients expect the best from you. ClearVue 650 with Active Array technology helps you deliver. Count on stunning 2D and 3D/4D images with the clarity and detail resolution you need. ClearVue 3D/4D capabilities are designed to be easy to use and easy to learn, so that 3D/4D fits seamlessly into your routine clinical workflow. Philips puts this technology within your reach, both financially and from a day-to-day workflow perspective.

A brilliant level of performance

The ClearVue 650 offers brilliant ease of use, advanced imaging modes, including 3D/4D imaging, and best in class automation features. This versatile system is designed for superb image quality to enhance diagnostic confidence, and for intuitive workflow with features that are sophisticated enough to be simple. ClearVue 650's forward-thinking performance in reliability and environmental sustainability show this is a system built on the Philips imaging legacy.

Designed for your everday success

The intuitive design of ClearVue 650 puts the controls you need most often precisely where they should be. Enjoy enhanced exam efficiency and automation and a sleek control panel designed to help speed image acquisition and management.

The elegant design of ClearVue 650 hints at the reduced complexity of the system. The modular design and lightweight cart means enhanced portability and maneuverability.

ClearVue 650 features a state-of-the-art 19-inch LCD monitor with optimal viewing angles.

3D/4D made easy

3D volume renditions and dynamic 4D displays are presented
with incredible clarity and detail resolution.

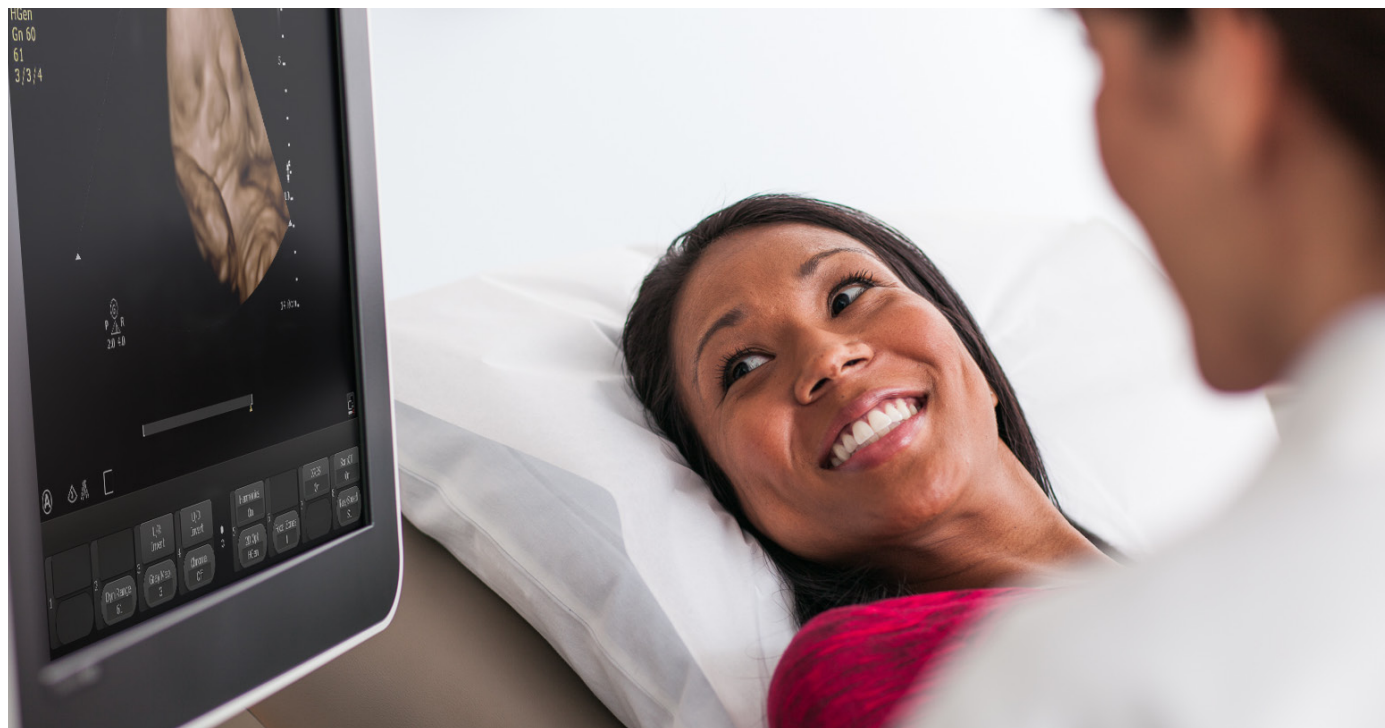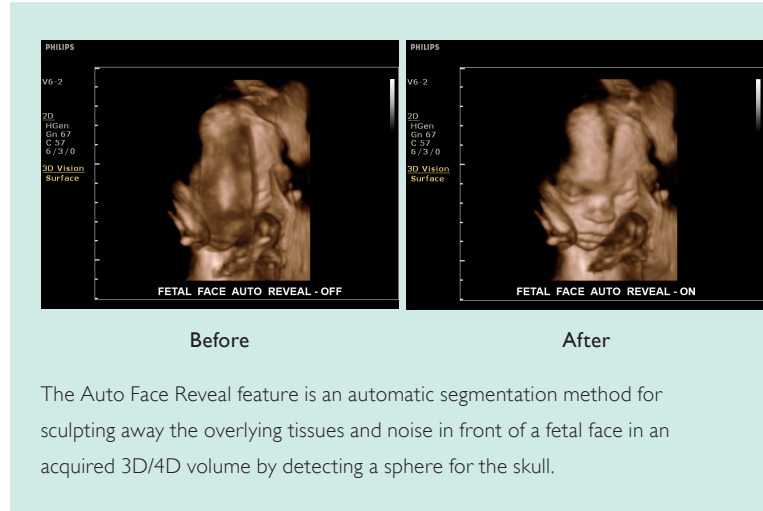## 3D/4D imaging powered by Active Array technology

Proprietary next-generation Active Array technology integrates key imaging technologies into all ClearVue transducers and is now also available on the V6-2 and 3D9-3v transducers for superb 3D/4D image quality in a small, lightweight and highly reliable system.

Auto Face Reveal

Captures a clear 3D view of the fetal face to enhance visualization of potential facial defects while enhancing 3D/4D exam time.

Fetal STIC

To evaluate fetal heart anatomy and function in 3D, ClearVue offers trimester-optimized Spatio-Temporal Image Correlation (STIC).

Before   After

The Auto Face Reveal feature is an automatic segmentation method for sculpting away the overlying tissues and noise in front of a fetal face in an acquired 3D/4D volume by detecting a sphere for the skull.

Performance you'll value

The system is sleek on the outside, but it's what's on the inside that you'll find most valuable. Powered by Philips proprietary Active Array technology, the ClearVue 650 is destined to alter your perception of ultrasound by delivering beautiful 3D/4D diagnostic images with quality, speed, and precision. We have integrated proven technologies from our most advanced ultrasound systems into the ClearVue 650 so you get the excellent image quality you expect from the leader in premium quality ultrasound.
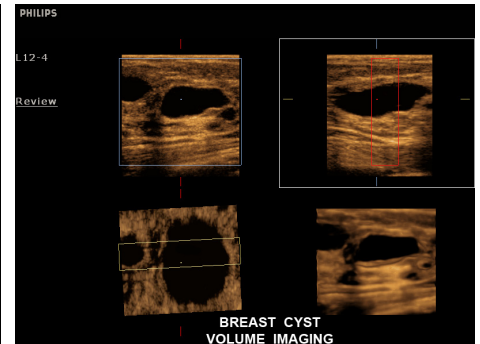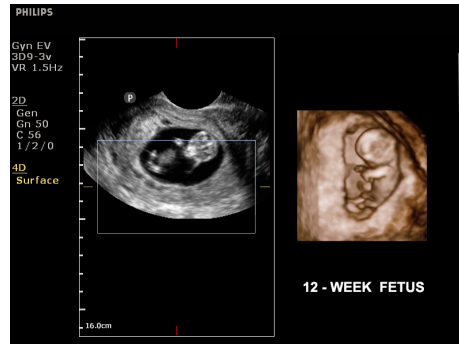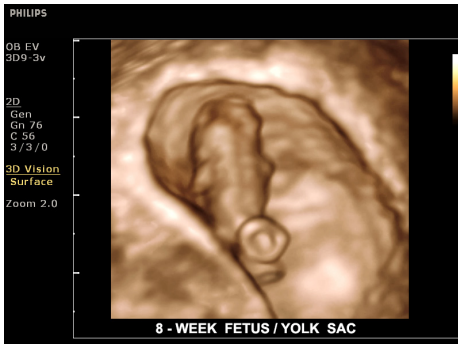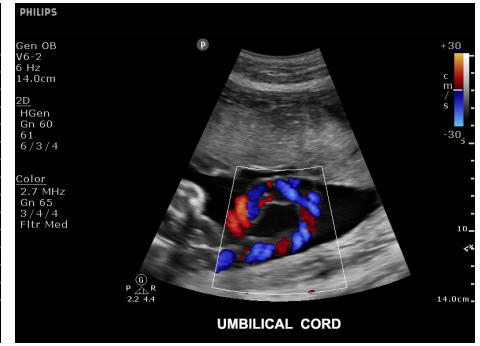
Simplify your workflow

Advanced women's healthcare workflow features like the OB Quick Launch measurement and AFI workflow/quad view bring clarity and simplicity together in an easy to navigate format. Customized SmartExam protocols enhance productivity, while the new barcode scanner speeds up patient entry and may reduce data input errors.
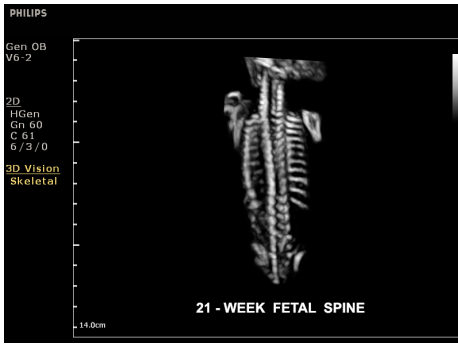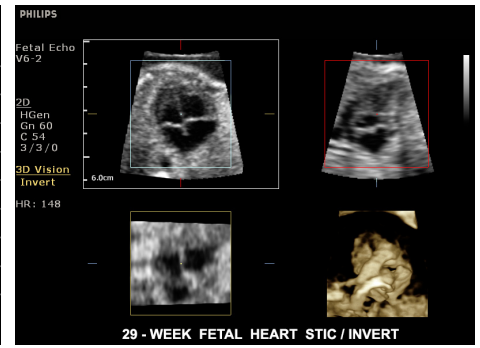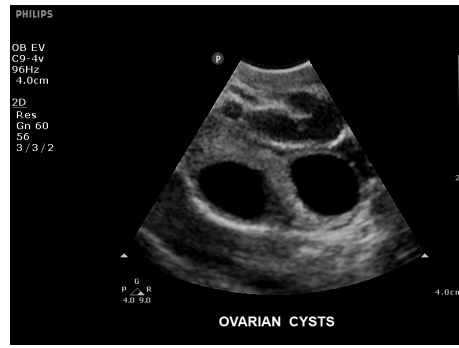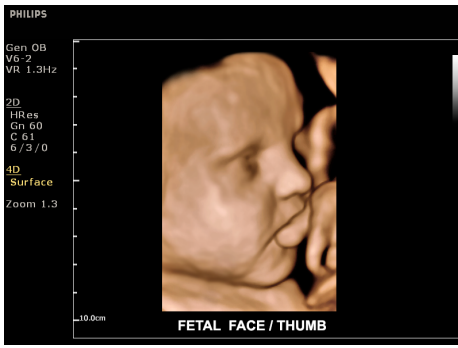
SonoCT, XRES, and iSCAN

For images with reduced noise and artifacts, SonoCT offers true real-time compound imaging that merges up to nine lines of sight to create one amazing image with better clarity of curved and irregular borders. To attain extraordinary clarity and edge definition, advanced XRES adaptive image processing uses proprietary algorithms originally developed for Philips MR to display images that are essentially free from noise, without reducing frame rates. To quickly achieve optimal image quality in 2D, color, and Doppler exams, iSCAN image optimization automatically adjusts multiple parameters at the push of a button.

Image gallery

FETAL FACE / THUMB

OVARIAN CYSTS

29 - WEEK FETAL HEART STIC / INVERT

21 - WEEK FETAL SPINE

DIAPHRAGM

UMBILICAL CORD

8 - WEEK FETUS / YOLK SAC

12 - WEEK FETUS

BREAST CYST
VOLUME IMAGING
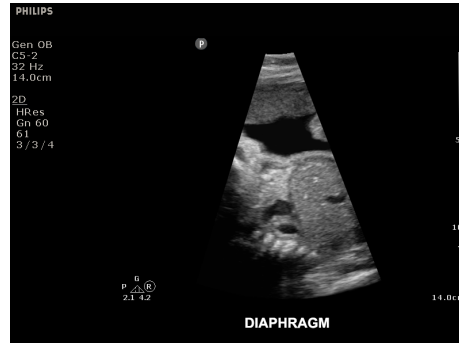
4D Ready

The ClearVue 650 comes completely 4D ready, featuring a dedicated 4D transducer port with 4D badge.

Transducer presets help leverage transducer strengths, and four transducer connectors allow a quick switch of transducers when needed.

A dedicated endovaginal transducer holder allows for elegant and convenient storage.

What it is	Why it matters
Core features	
Active Array technology	Integrates key imaging technologies into the transducer for superb image quality in a high-performing, lightweight, reliable system
Broadband beamforming and advanced signal processing	Acquires and processes the entire tissue signature for premium class tissue differentiation across multiple patient types
Advanced Doppler and color Doppler capabilities (CW, PW, CFI, CPA, HPRF PW, TDI, Triplex)	Perform advanced clinical studies with confidence
OB workflow tools, including quick-launch OB measurements	May reduce exam time and improve workflow
Configurable reports and analysis	Perform customized in-depth clinical analysis and reporting for enhanced communication of results
Options	
Advanced 3D/4D imaging with multiplanar reformatting (MPR)	Provides 3D/4D visualization and analysis of volume data; also viewable in glass-body, 3D color, invert, and color invert modes, with SonoCT and XRES available in the X-, Y-, and Z-slice planes for superb diagnostic clarity
3D fetal echo STIC (Spatio-Temporal Image Correlation)	Captures multiple volumes and synchronizes them based on a calculated heart rate; resulting volume image can be displayed in user-selectable views and interrogated in real time for more complete evaluation of fetal heart anatomy and function
Auto Face Reveal segmentation tool	Sculpts away overlying tissue (3D trim) to reveal the fetal face. May reduce exam time and enhance workflow with single button touch
Tissue Harmonic Imaging with Pulse Inversion technology	Reduces many artifacts while preserving tissue definition and resolution
XRES adaptive image processing and SonoCT image compounding	XRES reduces speckle noise artifacts for better margin definition and image clarity, while SonoCT reduces artifacts, improves contrast resolution, and allows irregular borders to be more readily visualized
Advanced system automation (2D, color and PW Doppler iSCAN options, 2D OPT, High Q, Intelligent Doppler, Adaptive Doppler, Adaptive color Doppler)	Quick one-button system performance may streamline your workflow, enhance patient throughput and exam consistency
Anatomical M-mode option	Easily generate M-mode trace from a user-defined line; ideal for patients with abnormal cardiac shapes or malpositioned cardiac structures
Panoramic and 3D imaging	Perform extended field of view imaging and freehand 3D surface rendering for enhanced exam documentation and communication
SmartExam protocols	Enhance performance, increase consistency, and reduce exam time through system-guided protocols
DICOM networking option	Provides Ethernet connection to DICOM networks for PACS viewing and archiving capabilities
Barcode scanner	Obtains patient information from hospital-generated barcodes to accelerate efficiency and decrease errors in data

Philips makes it easy

Advances in women's health imaging	Ways workflow is improved
Quick launch OB measurement	Removes the need for multiple keystrokes to access most commonly used OB measurements
Auto AFI workflow/quad view	Allows measurement of the four quadrant full screen and display in quad, removing redundant key strokes through automation
Follicle measurement display side-by-side report	Enhances workflow in report viewing of follicles; can be configured by size or order
Date of conception	Assists in estimating gestation age and fetal dating
Flush analysis at end exam	Allows proceeding to the next study without bringing up the PDE screen. Data is flushed by pressing end exam
Hadlock trending graphs for 40+ weeks	Provides 40+ weeks OB tables
Export PDF to external media	Gives flexibility to export reports in HTML or PDF format
New printer selection workflow	Smooths production of print reports

Comitted to your success

Designed for excellent serviceability and reliability, the ClearVue 650 provides value-added advances that help you optimize your system every day and keep you running at peak performance.

Keeping you up and running

Philips advanced service features and value-added services* boost productivity and promote uptime. Where available, Remote Desktop allows for "virtual visits," to enhance technical and clinical support and offer options for training. Proactive monitoring promotes uptime through continuous monitoring that alerts Philips personnel to potential problems so they can be corrected before system operation is affected. You can also connect your system to the Philips Remote Service Network and enter a support request directly from your ClearVue 650 system, or generate a utilization report that provides data on key parameters to help you manage system use. On-cart software maintenance tools help optimize, maintain, and repair system software with ease while preserving custom annotations, calculations, presets, and patient data.

Green for you and your community

Sustainability at Philips is all about improving the health and wellbeing of individuals and their communities. The ClearVue 650 is energy efficient with low power consumption to help save on energy costs. Its low heat dissipation is ideal in smaller rooms and also saves on cooling costs.

Innovative financing and security solutions

Philips Medical Capital delivers flexible financial solutions to help you place a ClearVue 650 in your facility or practice. Our financial experts understand your unique financial needs and provide flexible solutions that optimize asset utilization, reduce costs, and increase financial flexibility.

At Philips, we've built our innovative portfolio of ultrasound products by striving for change that improves and simplifies the lives of patients and healthcare providers worldwide. The new ClearVue 650, with leading-edge technology and an intuitive design, is no exception. Quality healthcare is now more accessible and affordable from a brand you can trust.

Philips SmartPath assures you easy access to solutions and innovations for the full life of your ultrasound system, so you can boost your clinical and operational potential and achieve your organizational goals.

Optimize your system's performance both now and in the future with regular and ongoing updates, including functionality improvements and remote technical support.

Optimize

Enhance your equipment with regular technology upgrades, and take advantage of the newest features and capabilities.

Enhance

Transform your investment at the end of your system's life by transitioning seamlessly to a next-generation solution or refurbished option.

Transform

* Not all services are available in all geographies and require service contract coverage.

PHILIPS

How to reach us
www.philips.com/healthcare
healthcare@philips.com

Product information
www.philips.com/