

## V6

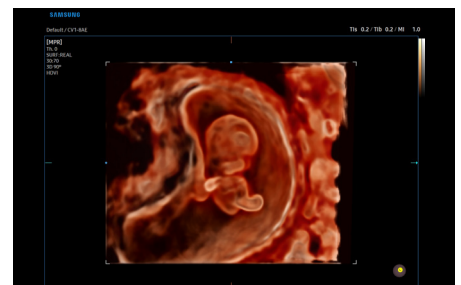
Performance  
Meets Efficiency



Sagittal corpus callosum of fetal brain with ClearVision



Pericallosal artery in fetal brain with MV-Flow™



1st Trimester fetus with CrystalVue™

**Samsung's V6 Ultrasound for Obstetrics** offers a simple-to-use interface combined with workflow automation features for an enhanced ultrasound experience. Its Crystal Architecture™ platform provides exceptional image clarity and consistent reliability.

### Exquisite Image Quality

**HQ-Vision™** compensates for the natural signal distortion as sound propagates through tissue to display maximum pixel sharpness.

**ClearVision** is an advanced image processing technology designed to reduce noise, enhance contrast resolution, and sharpen tissue interfaces for more confident image assessment.

**ShadowHDR™** is designed to suppress shadows and enhance the clarity of displayed grayscale images.

**MV-Flow™** is an advanced Doppler technology providing detailed documentation of microvascular perfusion into tissues and organs.

**LumiFlow™** displays a three-dimensional “like” appearance to 2D color Doppler enhancing spatial comprehension of blood vessels.



Fetal heart with color Doppler and LumiFlow™

**RealisticVue™** displays high resolution 3D anatomy with exceptional detail and realistic depth perception.

**CrystalVue Flow™** is an advanced volume rendering technology that enhances visualization of internal and external structures and hemodynamics in a single rendered image.

**5D NT™** automatically locates the mid-sagittal plane from an acquired 3D dataset, measures the maximum Nuchal Translucency (NT), and may aid in reducing inter-user variability.

### Smart Tools for OB Imaging

**UterineAssist™** is an Artificial Intelligence technology based on Deep Learning. It automatically measures the size and shape of the uterus, assists in detecting signs of uterine-related abnormalities, and aids in reducing scan time.

<sup>1</sup>AoP complies with the metrics specified in the ISUOG Guideline.

<sup>2</sup>ESHRE/ESGE: The European Society of Human Reproduction and Embryology / The European Society for Gynaecological Endoscopy.

<sup>3</sup>ASRM: The American Society for Reproductive Medicine.

**ViewAssist™** is an Artificial Intelligence technology that automatically recognizes imaging planes, labels anatomy, and provides biometry and heart measurements to ease healthcare professionals' documentation and exam workflow.

**BiometryAssist™** is a semi-automated biometric measurement tool that enables users to measure fetal growth parameters with one-click to decrease keystrokes and maintain inter-operator exam consistency.

**LaborAssist™** provides information of the progress of delivery by the automatic measurement of AoP<sup>1</sup> (Angle of Progression) and the direction of the fetal head. This not only helps in effective communication between the healthcare professionals and mothers, but also assists in making delivery decisions for the healthcare professionals.

**Uterine Contour** aids in identifying uterine malformations by automatically extracting the curved endometrial centerline and thickness to display the 3D uterine coronal plane. It also provides two classification options (ESHRE/ESGE<sup>2</sup>, ASRM<sup>3</sup>) to assist in analyzing and assigning the uterine shape and classification into the patient's report.

### Enhanced Productivity and Workflow

**SonoSync™** is a real-time image streaming solution that allows collaborative communication via voice or text. Remote controllability is also available for effective guidance or training among physicians and sonographers. Multiple users and multiple ultrasound systems can be connected concurrently for centralized support.

**EzExam+™** enables the user to build or use predefined protocols to transform the ultrasound examination into a well-organized, streamlined process. EzExam+ ensures the entire protocol is performed, while decreasing repetitive keystrokes and reducing imaging mode changes.

**Mobile Export** is a simple and secure image-sharing solution using a QR code to transfer selected fetal images from the ultrasound system directly to the patient's smartphone making images instantaneously shareable to friends and family.

**TouchGesture** intuitively allows you to rotate, zoom, crop, and move 3D images right from the touchscreen.



TouchGesture



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