The Qbit9 Color Smart Ultrasound System is the latest innovation in real-time 4D with powerful imaging engine. Greatly strengthen the bond between mother and foetus with movable virtual light source. The Qbit9 Color Smart Ultrasound System features an innovative harmonic technology that uses different transmission and receiving methods for different body sized patients, to maximize the resolution without losing the penetration. It is better than traditional THI and phased harmonic which compromise the penetration.

The Qbit9 Color Smart Ultrasound System features Q-imaging, Q-beam, Q-flow, and X-contrast. Q-imaging uses innovative algorithms that have strengthened the image enhancement results significantly. The Q-beam uses quad-beam to receive signals, thus doubles the volume of signal received as well as the frame rate. The higher frame rate ensures better diagnostic confidence and efficiency. The Q-flow is an adaptive color detection technology that can automatically adjust the criteria of color and noise assessment in different tissues. As a result, color sensitivity of low-velocity flow is greatly enhanced. X-contrast can adjust the contrast resolution to three levels according to the tissue difference. It is activated by one key: Enhanced, Normal, Suppress.

- LED foldable screen, 0~90° up/down or left/right
- Floating keyboard with 0~45° rotation and 0~15cm up/down height adjustment
- Stereo audio system
- Streamlined workflow, simplified backlit keyboard
- Removable dust filter
- USB ports on the keyboard to allow easy access
- Print paper face to the front, for easy access
- 35.6cm Small foot print
- Four wheels with locks
Advanced

Q-image
These innovative algorithms have tripled the image enhancement results to a quantum level, images are sharper and details are more vivid. The advanced chipset ensure the frame rate.

X-contrast
Greatly enhance the contrast resolution of different tissues by improving the signal-to-noise ratio. Activated by one key, automatically detect different tissues and improve the contrast accordingly. Ensure the unprecedented diagnostic confidence.

Q-flow
Maximize the color sensitivity by automatically distinguishing different tissues and detecting its color flow accordingly. Better color sensitivity even for low velocity flow and small vessels.

Q-beam
Adaptive beam former optimization, optimize the beam-former according to different probes and scanning positions, so as to improve the efficiency of transmission and receiving of signal. Easier and quicker to get a better image on different patients and different positions, even for difficult and old patients.

FHI
An innovative technology that using different transmission and receiving methods for different body sized patients, to maximize the resolution without losing the penetration. Better than traditional THI and phased harmonic which compromise the penetration.
Virtual HD

• The latest innovation in real-time 4D with powerful turbo imaging engine
• Greatly strengthen the bond between mother and foetus
• With moveable virtual light source

Women's Health

Foetal Brain, B mode
Gestational Sac, B Mode
Umbilical Cord, D Mode
Fetal Heart, B/BC Mode
Fetus, Depth View
Fetal Leg, Depth View
General Imaging
Small Parts

Kidney, B/BC Mode
Carotid, B/BC Mode
Elbow Point, B Mode

Finger Vessel, C Mode
Thyroid Adenoma, B Mode
Breast, B Mode
We believe that only best image quality allows a diagnosis to happen quickly and with confidence.

- Four Chambers View, B/BC Mode
- Cardiac Function, M Mode
- Tricuspid Regurgitation, CW Mode
- Pulmonary Regurgitation, PW Mode
Continuous Wave (CW) Doppler
Detect blood flow with high velocity and help doctors diagnose with more clinical information.

Free Steering M Mode
The cursor line can be rotated in 360 degree and adjusted to the position you want. Moreover, there are three cursor lines that can be adjusted in same phase, which greatly enhance the diagnostic efficiency.

Tissue Doppler Imaging (TDI)
Tissue Doppler imaging is a novel echocardiography technique that directly measures myocardial velocity. Systolic TD measurements assess left and right ventricular myocardial contractile function. Diastolic TD values reflect myocardial relaxation.

IMT Function
Automatically traces the intima, and measures the thickness of the intima. This allows you to measure the intima faster, more easily and more accurately.
Technical Features

**Standard Main Unit**
- Main unit with 19” high resolution LED monitor
- 4 probe connectors
- 320G hard disk; DVD-R/W and 6 USB ports
- B, 2B, 4B, B/M, B/BC, CFM, PW, Power Doppler/Directional PD, Instant Triplex, Duplex, Quadplex, Trapezoidal, Chroma B&M&PW
- Automatic PW trace and measurement in real time
- Super Image module
- Fusion Harmonic (Higher level than Tissue harmonic)
- Multiple Compound Imaging
- SRA (Speckle Reduction Algorithm)
- AIO (Automatic Image Optimization)
- Q-Image (intelligent image optimization)
- Q-Flow
- Q-Beam
- X-Contrast
- Measurement & calculation software packages: General, OB&GYN, Cardiac

**Options**
- 4D module (Must order with main unit if need to be upgraded to 4D in future)
- 4D software license 4D package (4D volume probe V4C40L + 4D module + 4D software)
- 2D steer
- Super Needle (Needle visualization)
- Curved Panoramic View
- Virtual HD (GE HD Live)
- ECG Lead
- Extended Cardiac Package: (ECG, Free Steering M-Mode, Color M-Mode, TDI)
- IMT
- DICOM 3.0
- Stress-echo
- Elastography
- Foot-switch

**Optional Transducers**

<table>
<thead>
<tr>
<th>Transducer</th>
<th>Description</th>
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<tbody>
<tr>
<td>D3C60L</td>
<td>2.5-5.3 MHz Convex probe</td>
</tr>
<tr>
<td>D7L40L</td>
<td>5.0-10.0 MHz Linear probe</td>
</tr>
<tr>
<td>D12L40L</td>
<td>7.0-18.0 MHz Linear probe</td>
</tr>
<tr>
<td>D7L60L</td>
<td>4.0-10.7 MHz Linear probe (60mm)</td>
</tr>
<tr>
<td>D6C12L</td>
<td>4.0-10.0 MHz Trans-vaginal probe (120° Scanning width)</td>
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<tr>
<td>D7C10L</td>
<td>4.0-10.7 MHz Endo probe (180° Scanning width)</td>
</tr>
<tr>
<td>D3P64L</td>
<td>2.5-4.0 MHz Phased array probe (Adult)</td>
</tr>
<tr>
<td>D6P64L</td>
<td>4.0-10.0 MHz Phased array probe (Pediatric)</td>
</tr>
<tr>
<td>D5C20L</td>
<td>3.5-8.0 MHz Pediatric Micro-Convex probe</td>
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<tr>
<td>D6C15L</td>
<td>4.0-10.7 MHz Pediatric Micro-convex probe</td>
</tr>
<tr>
<td>V4C40L</td>
<td>4.5 MHz 4D volume probe</td>
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</tbody>
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