



# QBit 7

Experience the Ultra-Mobility

**CHISON**  
Value Beyond Imaging

[WWW.CHISON.COM](http://WWW.CHISON.COM)



# Ergonomics

19" LED  
90° Foldable



±90° Horizontal rotation  
Maximize visual angles

Stereo audio system

Flexible floating control panel  
± 45° horizontal rotation  
0-15cm elevation

Backlit keys



6 USB ports



Smart **Standby** Mode  
· Smart backstage management enables  
extended battery life  
· Instant power-on



Front-facing paper exit

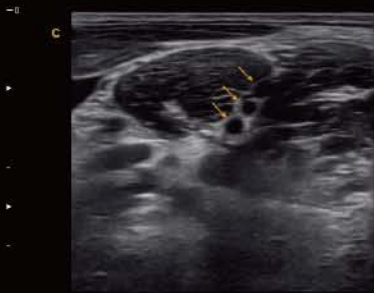
Detachable dust filter for easy maintenance



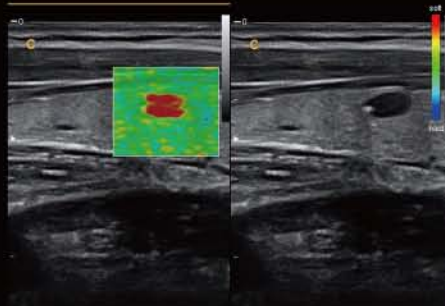
Built-in battery upto 80min battery life (optional)

4 casters with breaks

35.6 cm  
Compact footprint



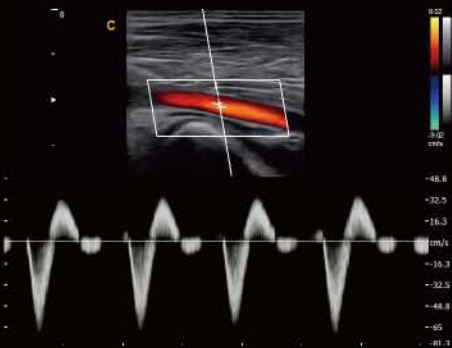
Brachial Plexus, B Mode



Elastography



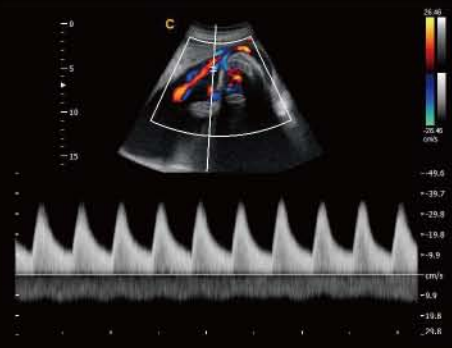
Kidney, PD Mode



Femoral Artery, PW Mode



Fetal Heart, B Mode



Umbilical Cord, PW Mode



Fetal Body, 4D Mode



Fetal Face, Virtual HD



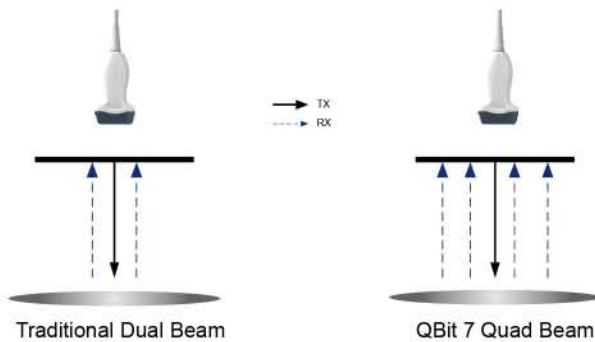
Fetal Hand, Depth View

# Advanced Technologies



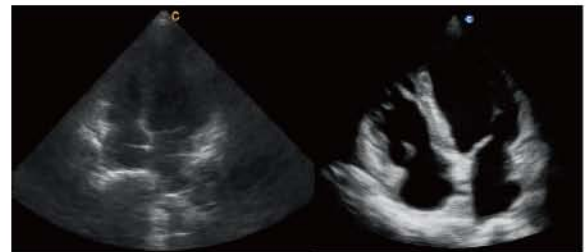
## Q-beam

- Compared to the traditional dual-beam former on most ultrasound machines, the QBit uses quad-beam technology for ultrasound signal receiving.
- Doubles the volume of signals received over traditional methods, increasing image resolution and generating more accurate images.
- Produces higher frame rates, ensuring better diagnostic confidence and efficiency, especially for moving organs.



## FHI

- FHI is an innovative harmonic imaging technology that uses multiple transmission and receiving methods based on the patients' size and weight. This allows the QBit to maintain image resolution when imaging larger patients.
- Traditional Tissue Harmonics and Phased Harmonics compromise image quality and resolution when penetration is increased.
- Chison's FHI technology greatly improves diagnostic abilities and clinical confidence in larger, difficult-to-image patients.



FHI OFF

FHI ON

## X-contrast

- The QBit allows one-touch user-adjusted contrast resolution based upon differences in tissue density.
- Enhance, Normal, and Suppress settings increase or decrease contrast resolution, based on the tissue type and user preference.



## Q-flow

- This adaptive color detection technology can automatically adjust the assessment of color signal and noise according to different tissues.
- As a result, color sensitivity of low-velocity flow is significantly enhanced.



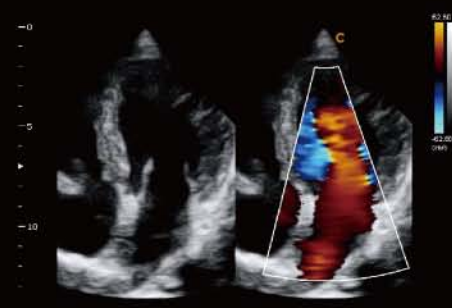
# Cardiology Performance



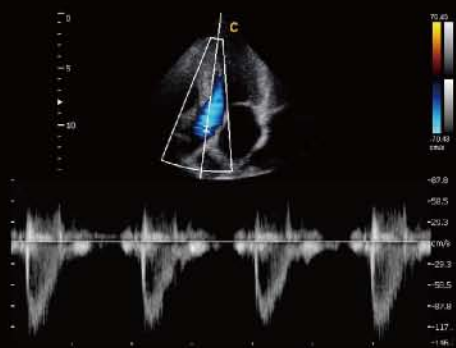
MV Short Axis View, B Mode



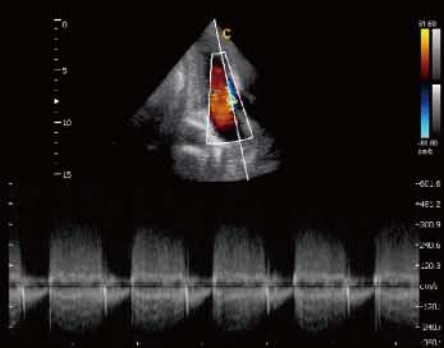
Aorta Short Axis View, C Mode



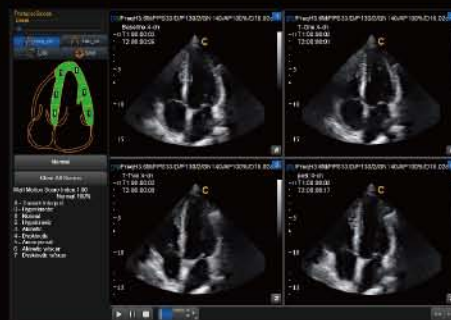
MV Regurgitation, B/BC Mode



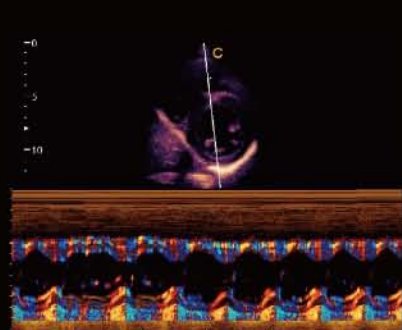
Aorta Valve, PW Mode



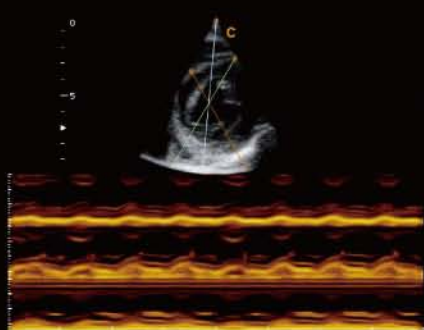
Cardiac Two Chambers, CW Mode



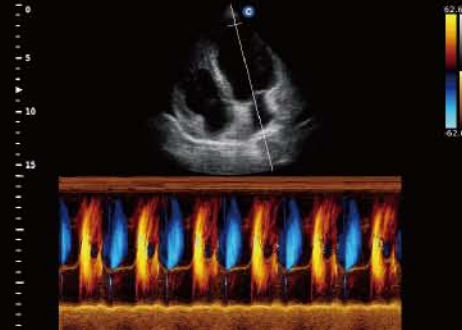
StressEcho



Papillary Muscles, TDI M Mode



MV Short Axis View, Free M Mode



Apical Four Chambers, Color M Mode

# Specifications

## Imaging Modes

- . B, 2B, 4B, B/M, M
- . CFM, B/BC
- . PW/CW
- . PD, Directional PD
- . Duplex, Instant Triplex, Quadplex
- . Trapezoidal Imaging
- . Curved Panoramic Imaging (optional)
- . 2D Steer (optional)
- . Chroma B/M/PW/CW
- . 4D (optional)
- . Virtual HD/Depth View (optional)
- . Steer M, Color M, TDI (optional)
- . StressEcho (optional)
- . ECG (optional)

## Professional Clinical Applications

- . ABD
- . OB / GYN
- . Vascular
- . MSK
- . Small Parts
- . Urology
- . Pediatrics
- . Cardiac

## Image Processing Technologies

- . Speckle Reduction Algorithm (SRA)
- . Multiple Compound Imaging (MCI)
- . Q-image
- . Q-flow
- . X-contrast
- . Q-beam
- . FHI
- . Super Needle



2.0MHz-6.8MHz Convex  
D3C80L



4.0MHz-15.0MHz Linear  
D7L40L



7.0MHz-18.0MHz(With FHI) Linear  
D12L40L



4.0MHz-12.0MHz Transvaginal  
D6C12L



4.0MHz-15.0MHz Transvaginal  
D7C10L



4.0MHz-15.0MHz Trans-Rectal  
D7L40L-REC



2.0MHz-6.8MHz Micro-Convex  
D3C20L



4.0MHz-10.7MHz Micro-Convex  
D5C20L



2.0MHz-6.8MHz Volume  
V4C40L



1.5MHz-5.3MHz Phased array  
D3P64L



2.0MHz-8.0MHz Phased array  
D6P64L



4.0MHz-12.0MHz Micro-Convex  
D6C15L

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