

Approved by FDA&CE

# QBit 7

Experience the Ultra-Mobility

**CHISON**  
Value Beyond Imaging



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

# Ergonomics

## FLUIDWORK

19" LED up & down  
90° foldable



The LED screen can be rotated left and right  $-90^{\circ}\sim 90^{\circ}$  allow different viewing angles of patients and operators

Stereo audio system



Floating keyboard with left/right rotation  $-45^{\circ}\sim 45^{\circ}$ , up/down height adjustment 0cm~15cm



Backlit keys



USB ports



Removable dust filter.



Print paper face to the front, for easy access.

Built-in battery 80 min (option)

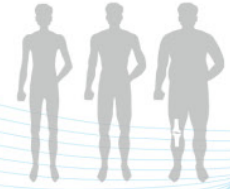


Four wheels with locks

35.6 cm  
Small foot print

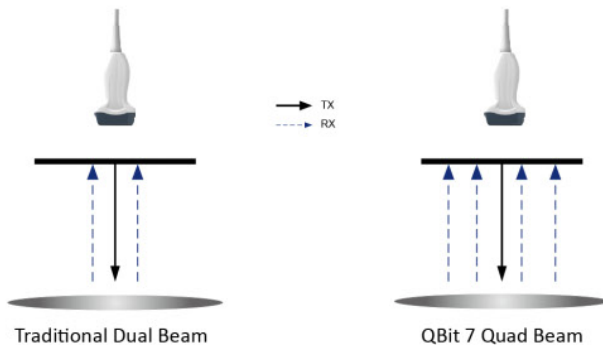
# Advanced

# Technologies



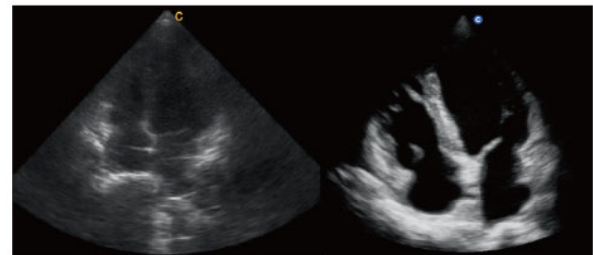
## Q-beam

- 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.

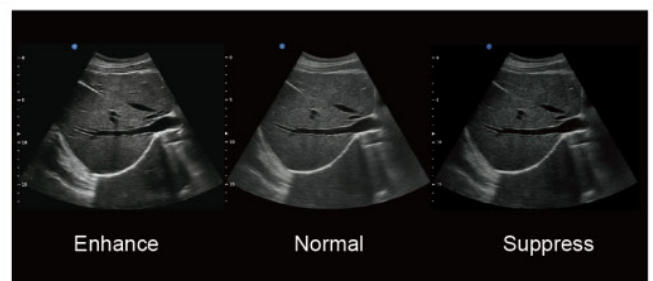


FHI OFF

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.



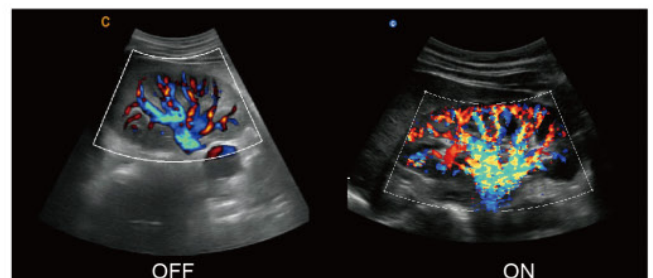
Enhance

Normal

Suppress

## Q-flow

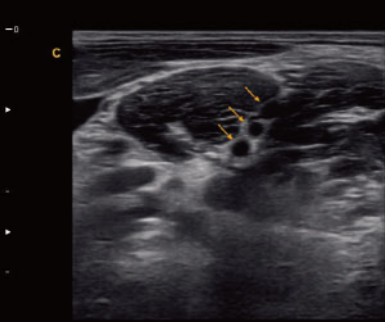
- This adaptive color detection technology can automatically adjust the assessment of color signal and noise according to different tissues.
- As a result, color sensitivity of low-velocity flow is significantly enhanced.



OFF

ON

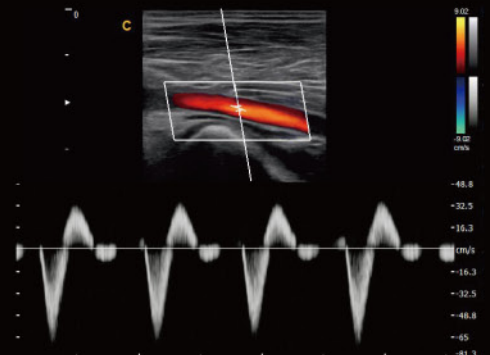
# General Imaging



Brachial Plexus, B Mode



Kidney ,PD Mode



Femoral Artery ,PW Mode

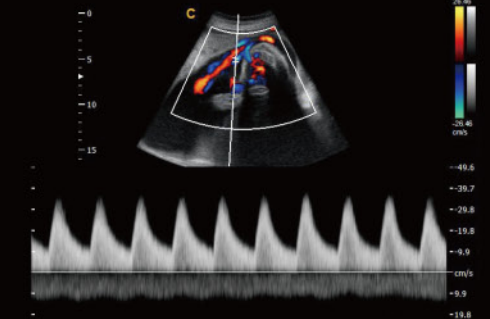
# Women's Healthcare



Fetal Heart, B Mode



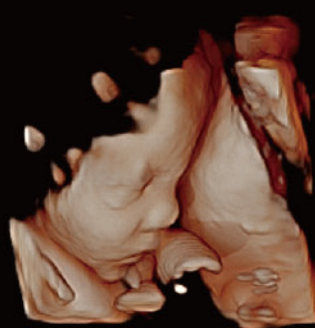
Early Pregnancy, B Mode



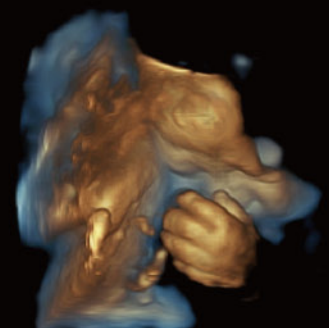
Umbilical Cord, PW Mode



Fetal Body, 4D Mode

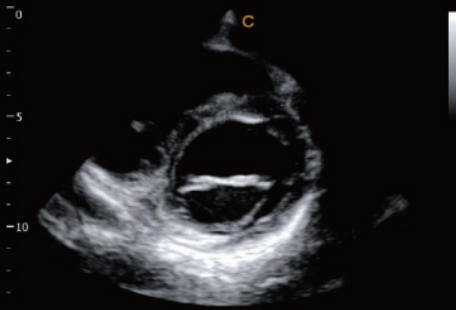


Fetal Face, Virtual HD

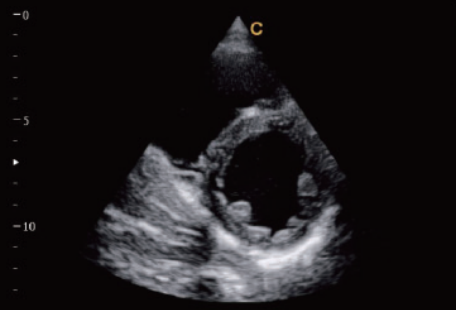


Fetal Hand, Depth View

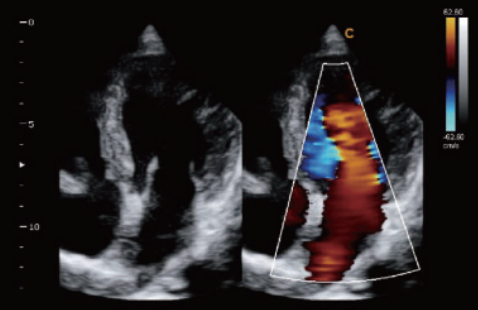
# Cardiology Performance



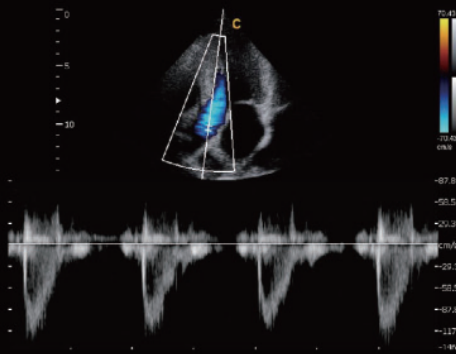
MV Short Axis View,B Mode



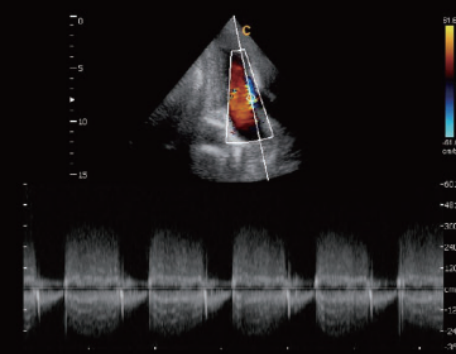
Papillary Muscle Short Axis,B Mode



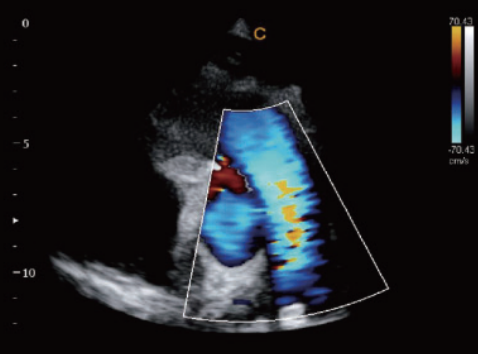
MV Regurtation,B/BC Mode



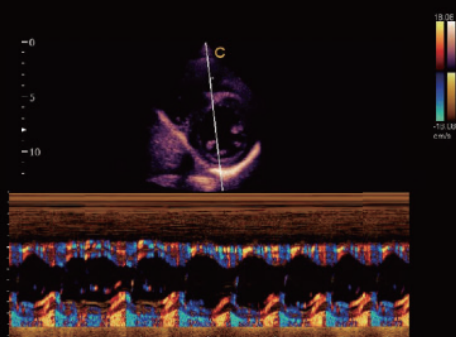
Aorta Valve,PW Mode



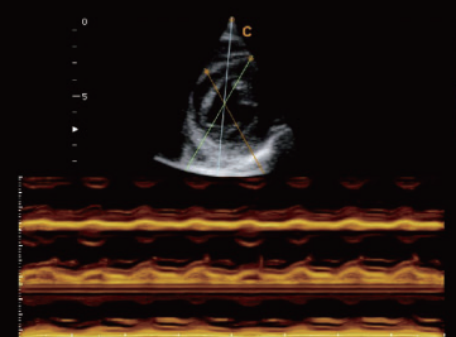
Cardiac Two Chambers,CW Mode



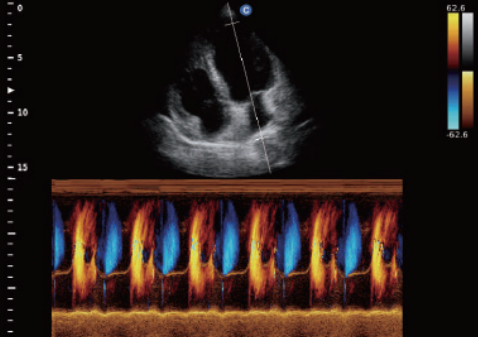
Aorta Short Axis View,C Mode



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

## Image Processing Technologies

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

## Professional Clinical Applications

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

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2.0MHz-6.8MHz Convex  
D3C60L



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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