

**CHISON**  
Value Beyond Imaging

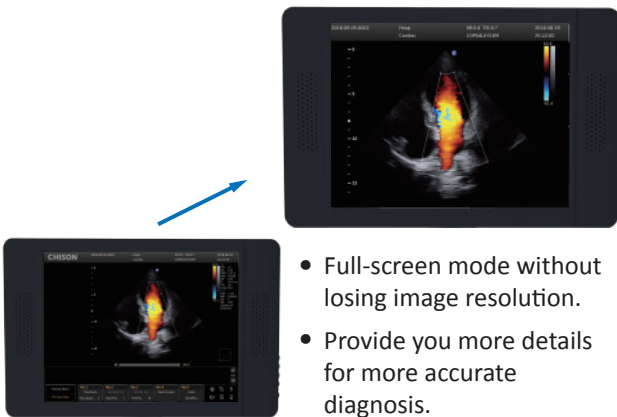
# QBit 5

Redefine the console color doppler system



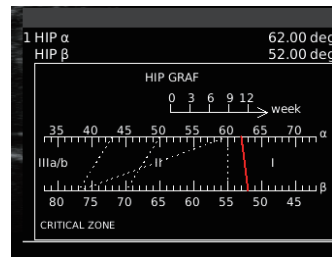


## Full display Mode



- Full-screen mode without losing image resolution.
- Provide you more details for more accurate diagnosis.

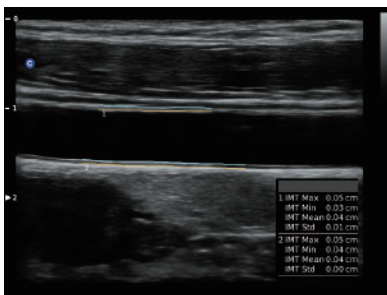
## HIP Graf



Use a graph for hip orthotics diagnosis, help the doctor to give a more easier and more accurate diagnosis during the pediatric hip scanning. Different angle indicate different level of hip deformity, which is more easier and obvious to see with the aid of the graph. (I, II, D, IIIa, IIIb,).

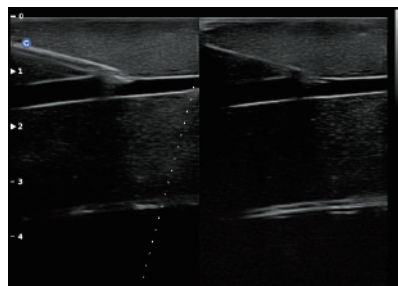
## Auto IMT Function

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



## Super Needle

With Super Needle, clinicians can see needle inside tissue more clearly during medical procedures. Needle angle up to  $\pm 30^\circ$



# Advanced Technologies



## 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.



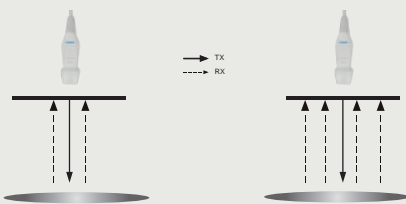
Enhance

Normal

Suppress

## Q-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.



Traditional Dual Beam

Quad Beam

## 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



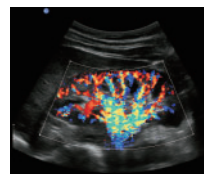
FHI ON

## 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.



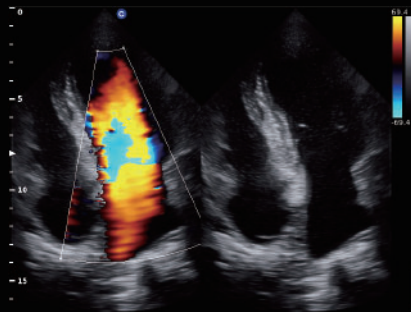
Q-Flow OFF



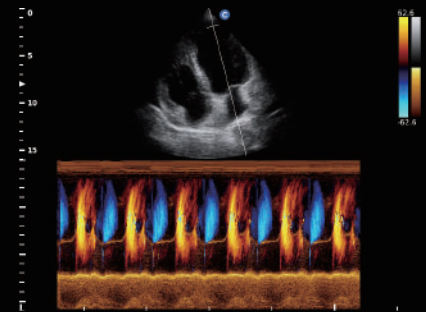
Q-Flow ON



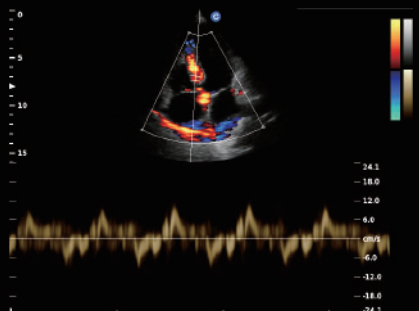
Four Chambers View, ECG



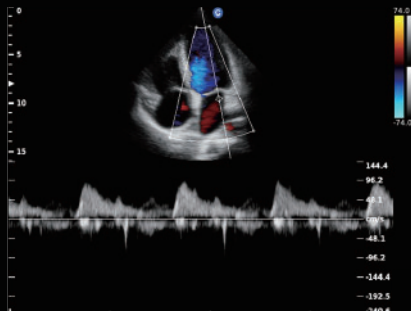
Four Chambers View, B/BC Mode



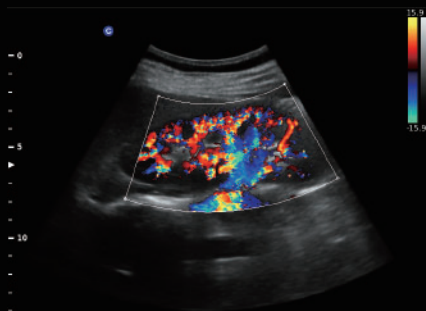
Four Chambers View, Color M Mode



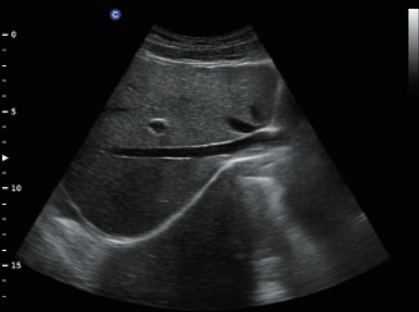
Four Chambers View, TDI Mode



Cardiac, CW Mode



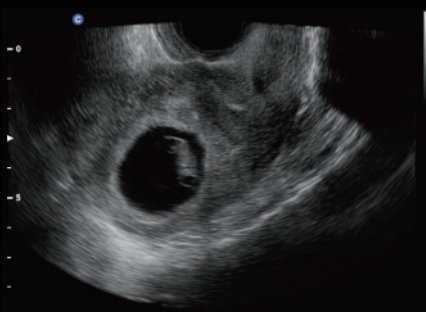
Kidney, C Mode



Hepatic Vein, B Mode



Hepatic Vein, C Mode



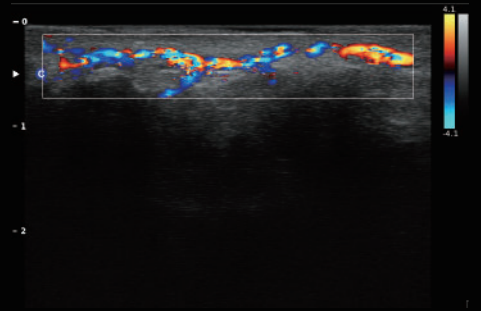
Gestational Sac, B Mode



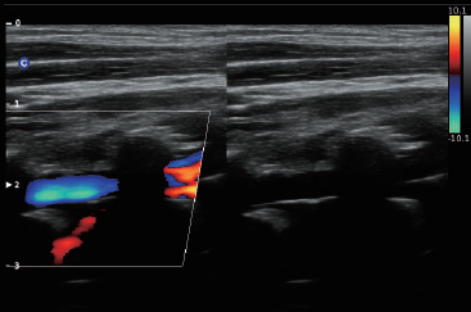
Fetal Abdomen, B Mode



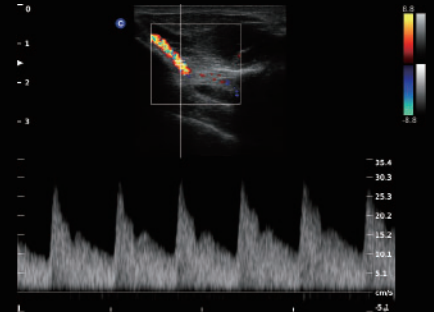
Umbilical Cord, B Mode



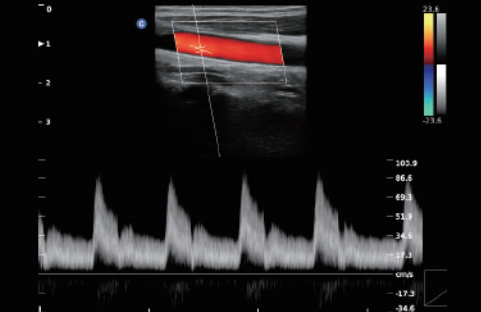
Fingertip Vessel, C Mode



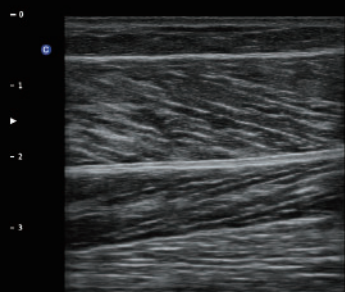
Vertebral Vessel, B/BC Mode



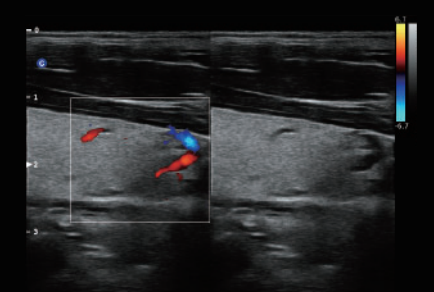
MSK, PW Mode



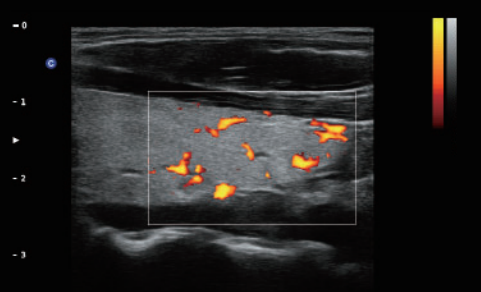
Carotid, Triplex Mode



MSK, B Mode



Thyroid, B/BC Mode



Thyroid, PD Mode

# Specifications

## Imaging Modes & Features

- B, 2B, 4B, B/M
- CFM, B/BC
- PW, CW, Color M, TDI, ECG (option)
- PD, Directional PD
- Duplex, Triplex
- Trapezoidal Image
- 2D Steer
- Chroma B/M/PW
- HIP graph
- Full screen
- Super Needle(option)
- Auto IMT(option)
- DICOM

## Professional Clinical Applications

- ABD
- OB / GYN
- Vascular
- MSK
- Small Parts
- Urology
- Pediatric

## Image Processing Technologies

- Speckle Reduction Algorithm (SRA)
- Compound Image
- Q-image
- Q-flow
- X-contrast
- Q-beam
- FHI



2.0 - 6.8 MHz Convex  
D3C60L



4.0 - 15.0 MHz Linear  
D7L40L



4.0 - 12.0 MHz Transvaginal  
D6C12L



4.0 - 15.0 MHz Transvaginal  
D7C10L



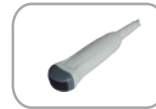
4.0 - 15.0 MHz Trans-Rectal  
D7L40L-REC



2.0 - 6.8 MHz Micro-Convex  
D3C20L



4.0 - 10.7 MHz Micro-Convex  
D5C20L



4.0 - 12.0 MHz Micro-Convex  
D6C15L



1.5 - 5.3 MHz Phased array  
D3P64L

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