CHISON

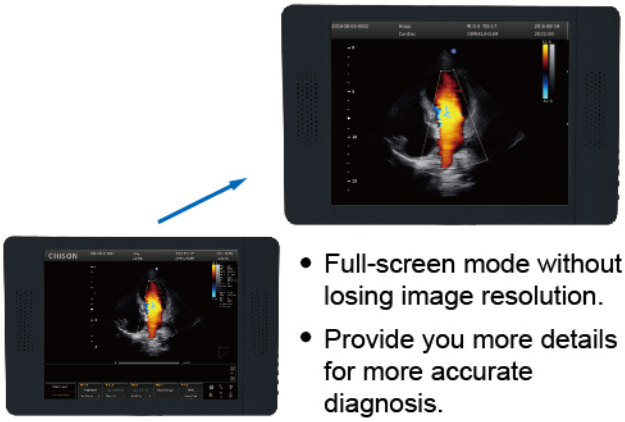
Value Beyond Imaging

QBit 5

Redefine the console color doppler system

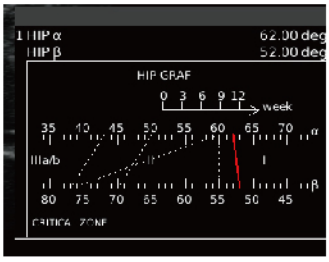
WWW.CHISON.COM

Full display Mode



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

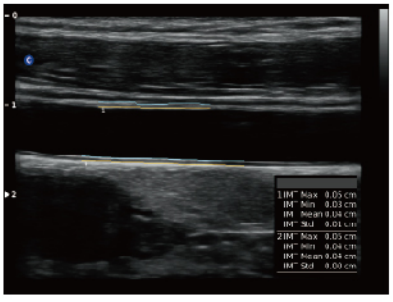
HIP Graf



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).

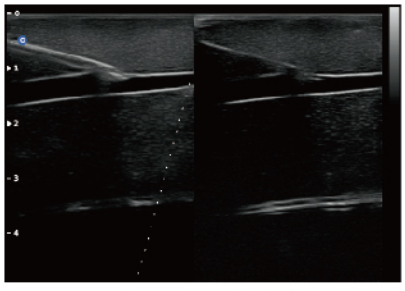
Auto IMT Function

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 ±30°.



Advanced Technologies

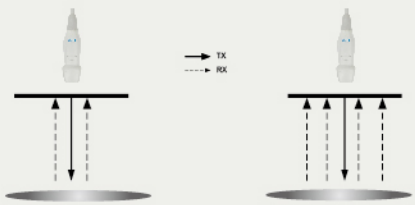
X-contrast

- 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

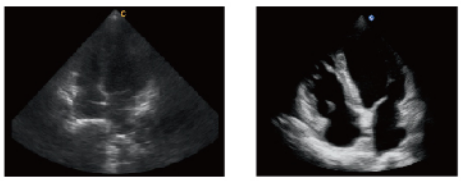
- Compared to the traditional dual-beam former on most ultrasound machines, the QBit uses quad-beam technology for ultrasound signal receiving.
- Doubles the volume of signals received over traditional methods, increasing image resolution and generating more accurate images.
- Produces higher frame rates,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



Traditional Dual Beam Quad Beam

FHI

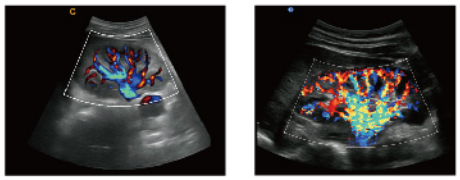
- FHI is an innovative harmonic imaging technology that uses multiple transmission and receiving methods based on the patients' size and weight. This allows the QBit to maintain image resolution when imaging larger patients.
- Traditional Tissue Harmonics and Phased Harmonics compromise image quality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



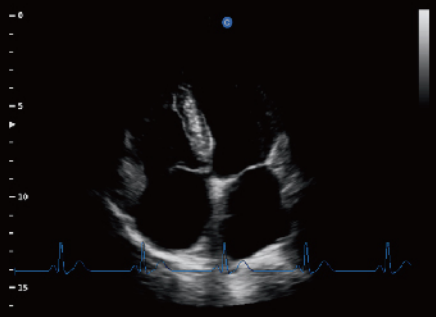
FHI OFF FHI ON

Q-flow

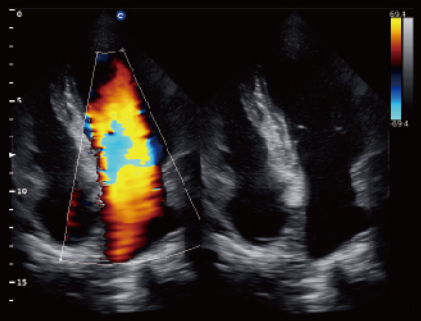
- This adaptive color detection technology can automatically adjust the assessment of color signal and noise according to different tissues.
- As a result, color sensitivity of low-velocity flow is significantly enhanced.



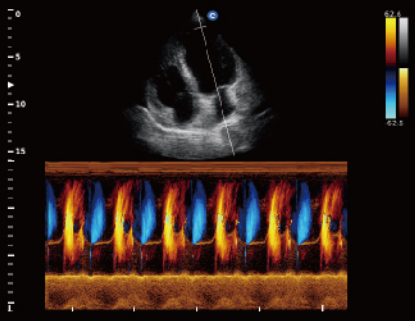
Q-Flow OFF Q-Flow ON



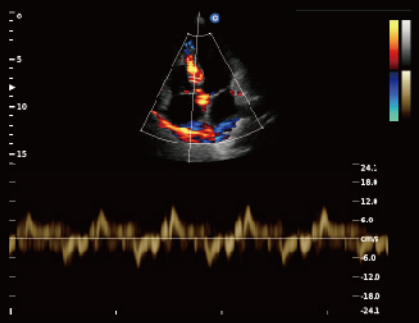
Four Chambers View, ECG



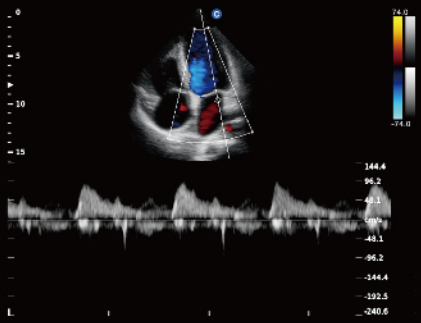
Four Chambers View, B/BC Mode



Four Chambers View, Color M Mode



Four Chambers View, TDI Mode

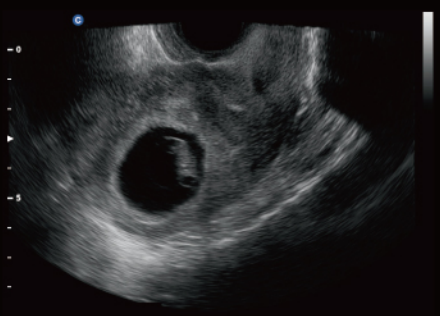


Cardiac, CW Mode

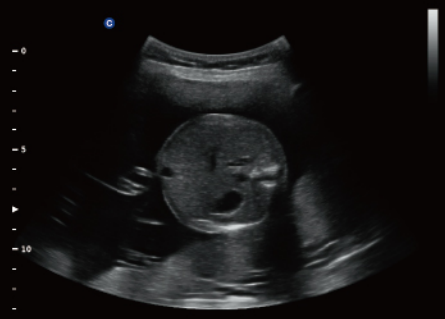
Kidney, C Mode

Hepatic Vein, B Mode

Hepatic Vein, C Mode

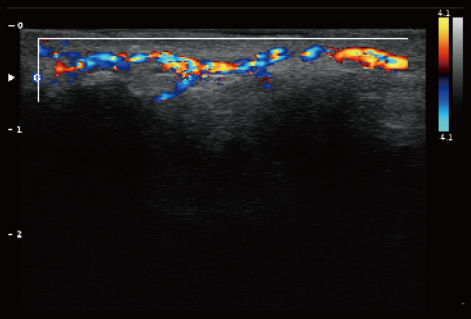


Gestational Sac, B Mode

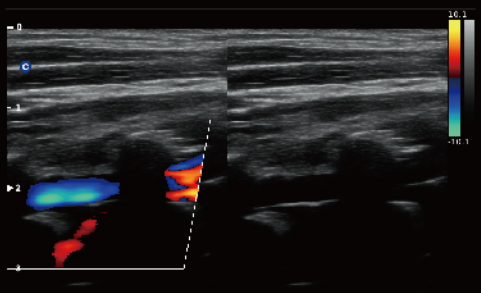


Fetal Abdomen, B Mode

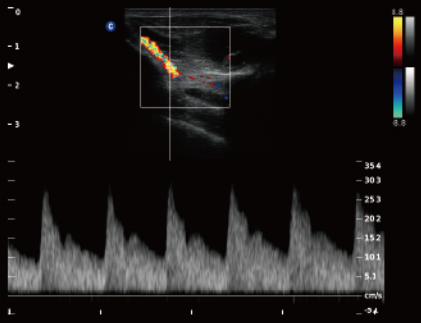
Umbilical Cord, B Mode



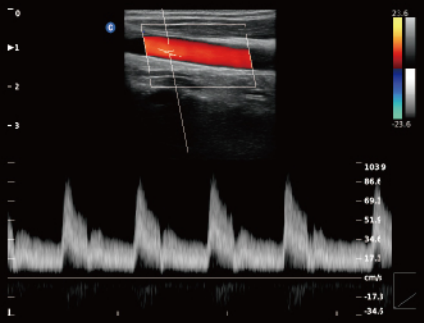
Fingertip Vessel, C Mode



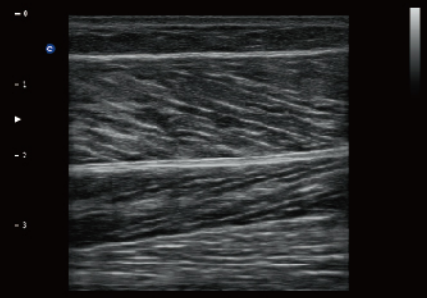
Vertebral Vessel, B/BC Mode



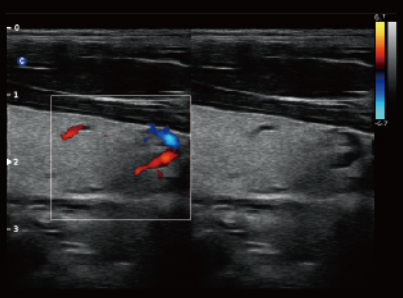
MSK, PW Mode



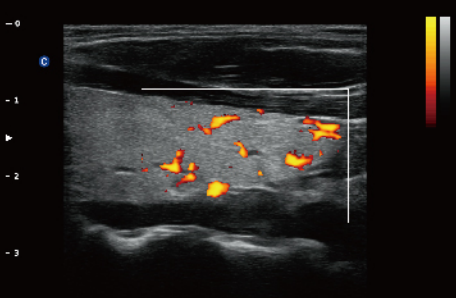
Carotid, Triplex Mode



MSK, B Mode



Thyroid, B/BC Mode



Thyroid, PD Mode

Specifications

Imaging Modes & Features

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

Professional Clinical Applications

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

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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