CBit 8

- An extremely slim and compact touch panel console ultrasound system , providing a tool for process optimization, simplifying clinical screening.
- Featured with comprehensive functions, the system implements elaboration, modernization and specialization in the integral whole.

10.1 inch HD touch panel

Superbly responsive
Customizable interface
Ergonomic tilting ensures all-dimensional, multi-angle visualization

19 inch HD LED monitor
Rotatable:±90°

Innovative energy-saving light

Adaptive Control Panel
Rotatable (±45°)
Liftable (0-15cm)

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

Dedicated video printer space

Internal Battery

Hero Kit
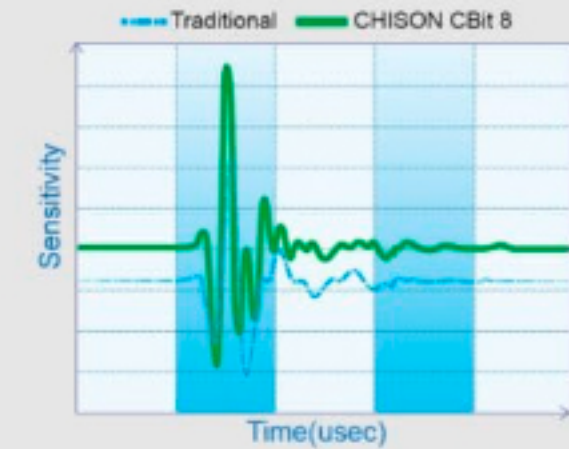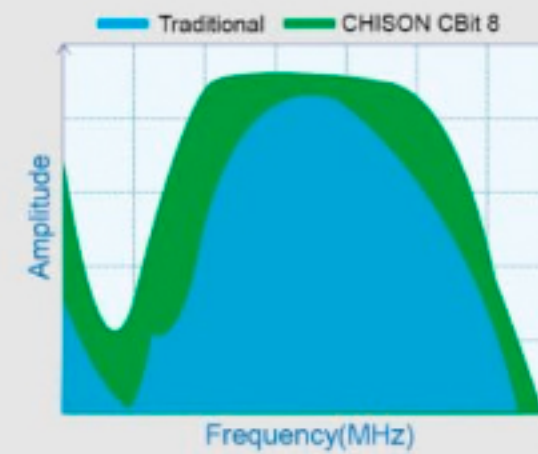Innovative service solution
Quick · Easy · Reliable · Affordable

Comprehensive Features and Applications

Single Crystal Technologies

- CHISON CBit8 uses the latest advance in transducer technology, which has wider bandwidth, higher sensitivity and better signal-noise ratio, providing superb anatomic details to users, delivering excellent resolution and penetration, especially during difficult-patient scanning.
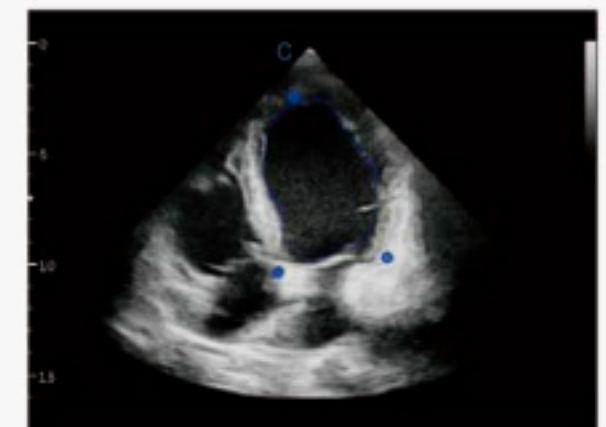

Legend: Traditional — CHISON CBit 8
Amplitude vs Frequency(MHz)

Legend: Traditional — CHISON CBit 8
Sensitivity vs Time(usec)

Wide Angle Transvaginal Probe

- Up to 210° extremely wide angle.
- Provide more diagnostic information.
- Save time, improve the efficiency.

LV Tracking

- A new non-invasive method for the assessment of left ventricular (LV) global and regional function.
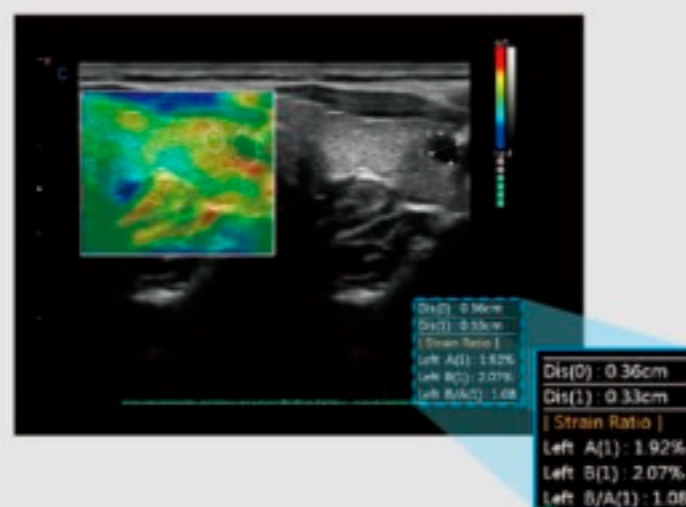
Stress Echo

- Help to confirm or rule out the presence of coronary artery disease.
- Patients with coronary artery blockages may have minimal or no symptoms during rest.
- Symptoms and signs of heart disease may be unmasked by exposing the heart to the stress of exercise.
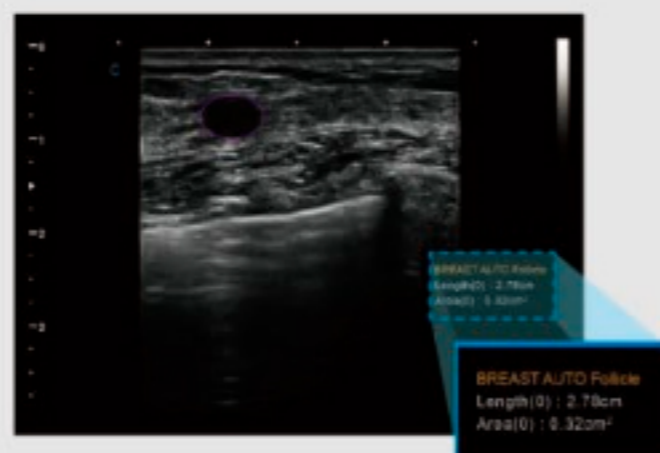
Quantitative Elastography

- Display the elasticity of different tissues in different color.
- Provide more clinical information, especially for soft tissue.
- Strain ratio measurement quantitatively gives the ratio between the average strain of the selected region and of the nearby normal tissue region.
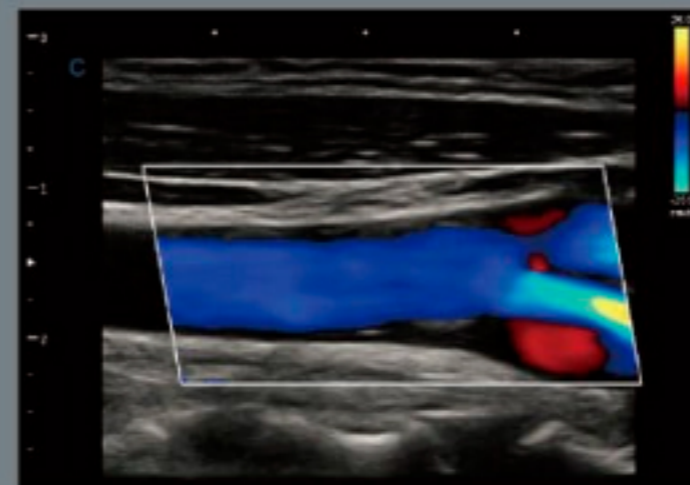
Auto Breast Detection

- Automatically detect breast lesion.
- Provide the size.
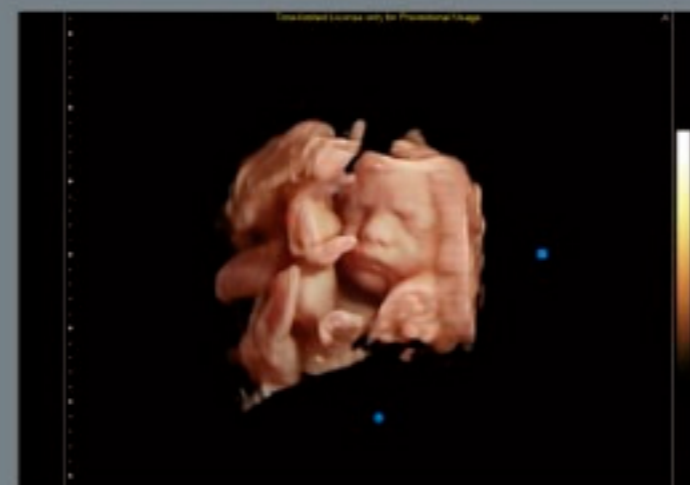- Efficient for the diagnosis.

Smart HIP

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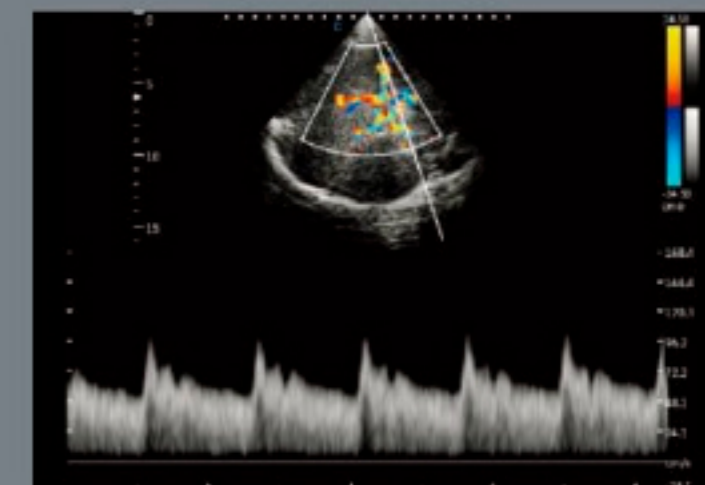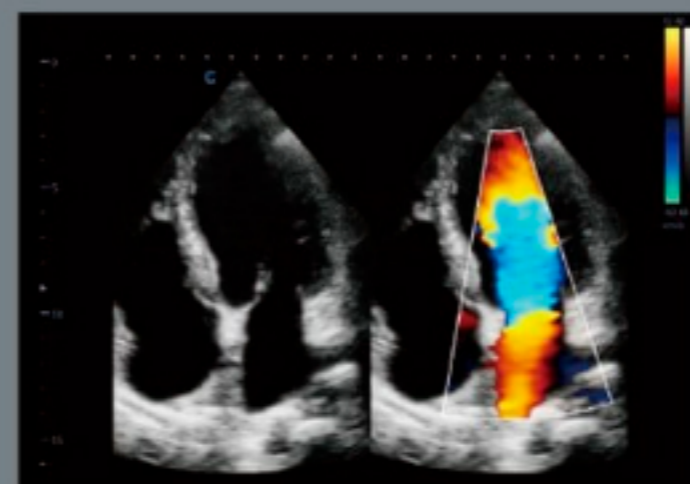

Carotid Plaque, C Mode

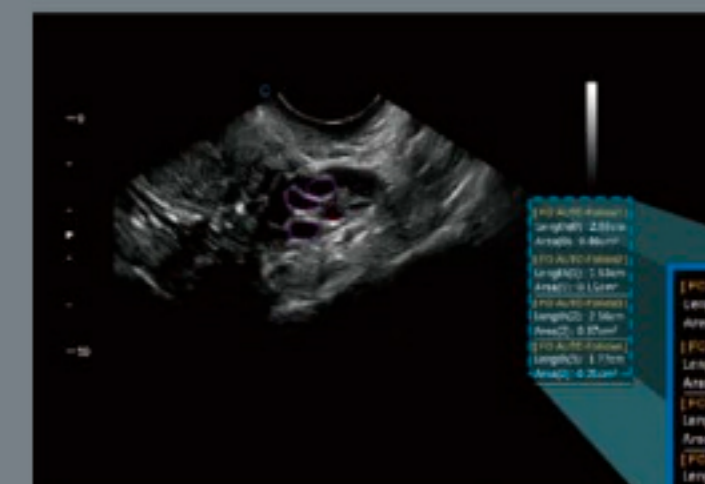
Papillary Short Axis View, B Mode

Fetal Face, Virtual HD

Transcranial, PW Mode

Four Chambers View, B/BC Mode

Auto Follicle Detection, B Mode

Pediatric Cerebral Tumor, B Mode

Hydronephrosis, B Mode

2.0MHz-6.8MHz Convex
D3C60L

2.0MHz-8.0MHz Phased array
D5P64L

2.0MHz-6.8MHz Volume
V4C40L

2.0MHz Pencil
D2D16L

4.0MHz-15.0MHz Linear
D7L40L

4.0MHz-6.0MHz Tee(Adult)
T5P64L

7.0MHz-18.0MHz(With FHI) Linear
D12L40L

4.0MHz-6.0MHz Tee(Pediatric)
MT5P48L

5.0MHz-16.0MHz Linear
D8L50L

4.0MHz-12.0MHz Transvaginal
D6C12L

4.0MHz-15.0MHz Linear
M8L40L

4.0MHz-15.0MHz Transvaginal
D7C10L

4.0MHz-10.7MHz Linear
D10L30L

4.0MHz-15.0MHz Trans-Rectal
D7L40L-REC

1.5MHz-5.3MHz Phased array
D3P64L

2.0MHz-6.8MHz Micro-Convex
D3C20L