

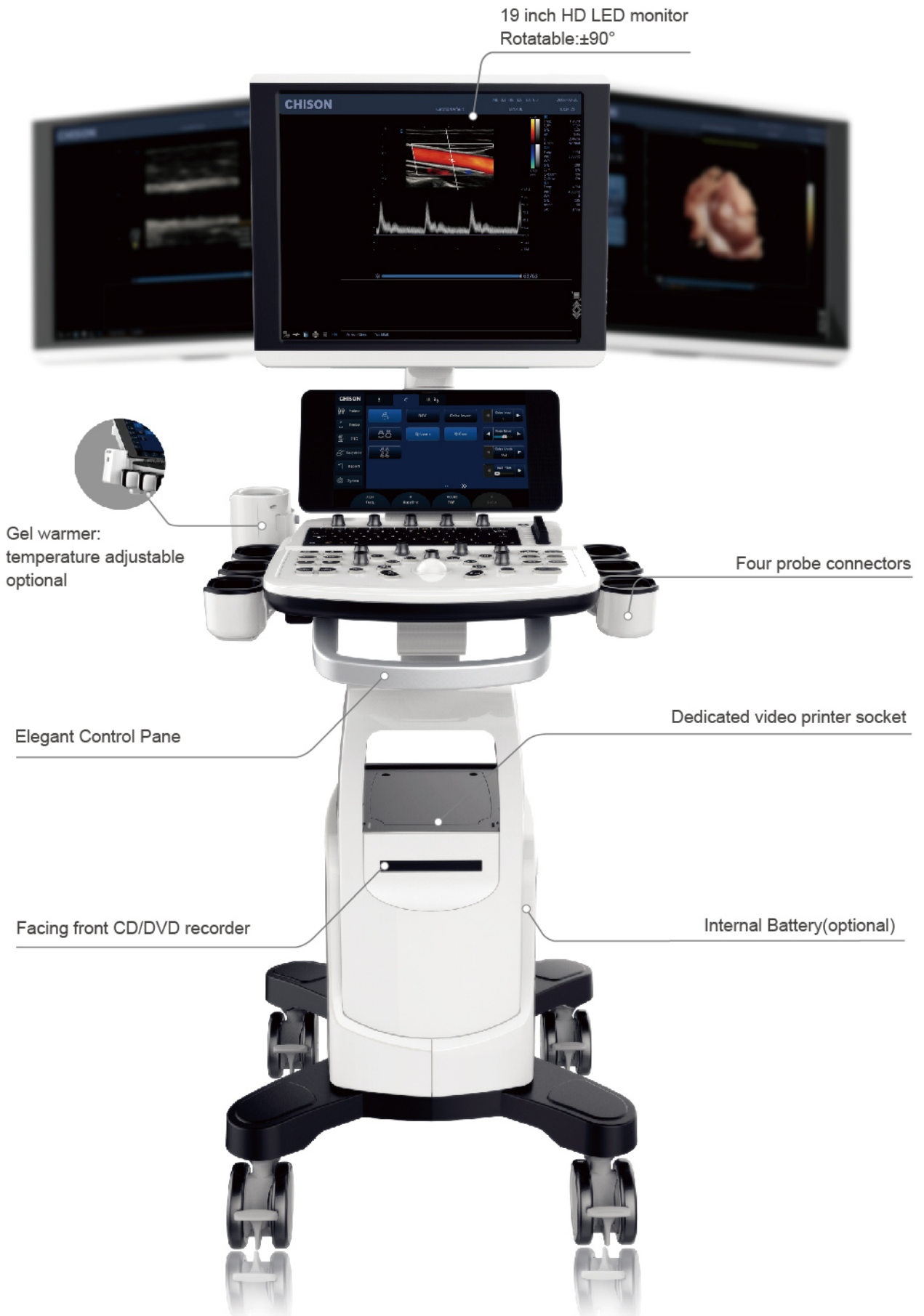
**CHISON**  
Value Beyond Imaging

# CHISON CBit 4

Make Life Simple



# INDUSTRY-LEADING DESIGN





## DUAL SCREEN DISPLAY

- DUAL-SCREEN DISPLAY FOR BETTER VIEW
- EASY TO SLIDE
- FINGER- GESTURE TO ZOOM IN AND ZOOM OUT
- FOR CONVENIENT MEASUREMENT ,ROTATION



### • Intelligent Focus •

- Automatically detect the focus position according to the depth
- Focus on the interesting area to improve the quality
- Efficient and intelligent



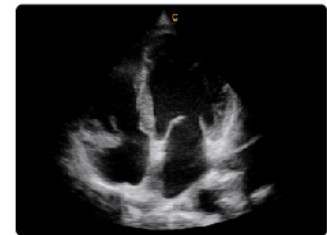
### • Raw data •

- Adjust the parameters after freeze
- Speedy the scanning time, save the processing time
- Efficiency and fast

# BREAKTHROUGH TECHNOLOGIES



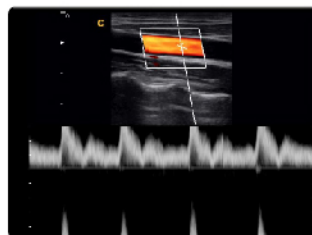
OFF



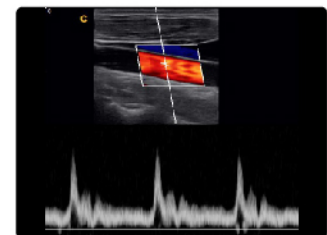
ON

### ► FHI

- ☑ An innovative technology that using different transmission and receiving methods for different body sized patients, to maximize the resolution without losing the penetration.
- ☑ Better than traditional THI and phased harmonic which compromise the penetration.



OFF



ON

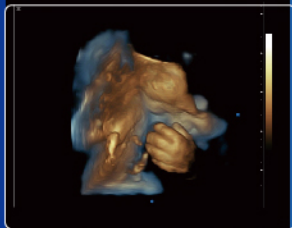
### ► AIO

- ☑ Optimize the distorted 2D image by pressing just one key.
- ☑ Automatically adjust the baseline by pressing just one key in PW and CW mode.
- ☑ Greatly reduce your time spending on the image adjustment, allow you to focus more on your patients.

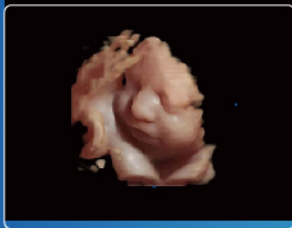
# Advanced Tools for Optimized Healthcare



4D



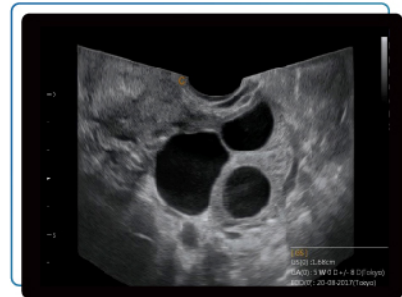
Depth View



Virtual HD

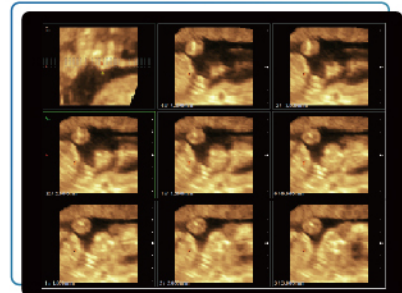
## ▶ Wide angle TV probe

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



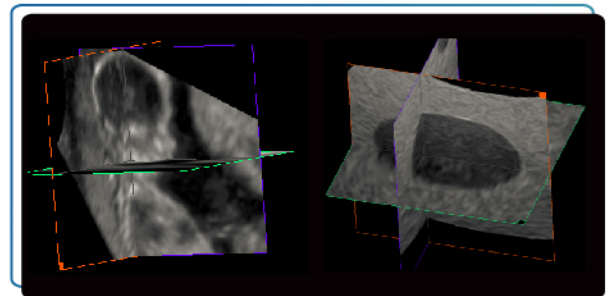
## ▶ Smart Volume Slice

- Cut the 3D volume to different slice observe it thoroughly in tomographic view
- Specialized for deep diagnosis, such as inside cleft lip

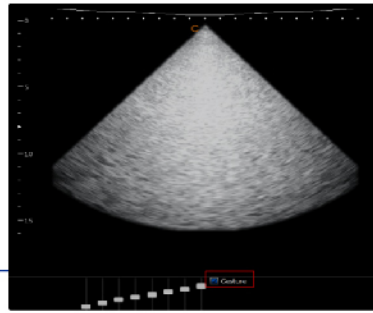


## ▶ HD Niche

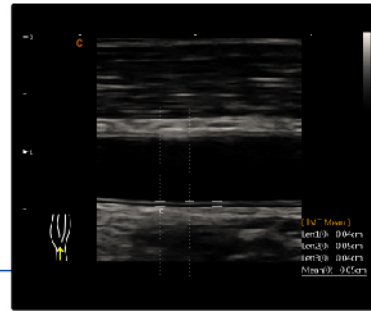
- Showing three orthogonal plane images (sagittal, axial, coronal view) in 3-dimensional space.
- As user can observe sagittal, axial and coronal view of a target object by moving the three orthogonal plane's crossing point, it helps user to better understand the internal shape and structure of the target object.



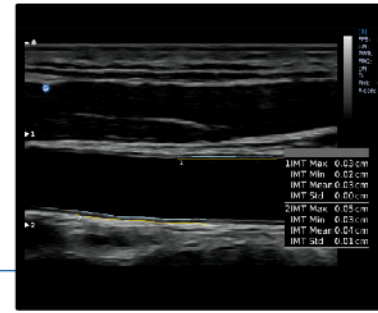
# Advanced Tools for optimized healthcare



**LGC**  
(Lateral Gain Compensation)



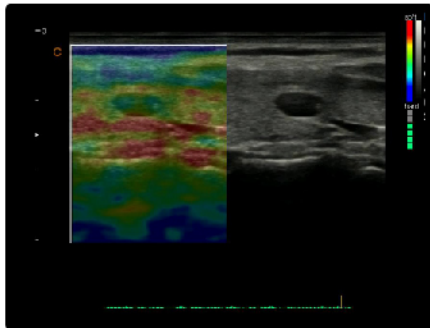
**Auto IMT**



**IMT Mean**

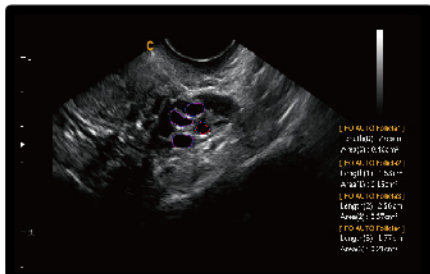
## ► Quantitative Elastography

- Display the elasticity of different tissues in different color
- Provide more clinical information , especially for breast tumor, thyroid ,liver and prostate
- Strain ratio measurement quantitatively gives the ratio between the average strain of the selected region and of the nearby normal tissue region.
- available on various probes



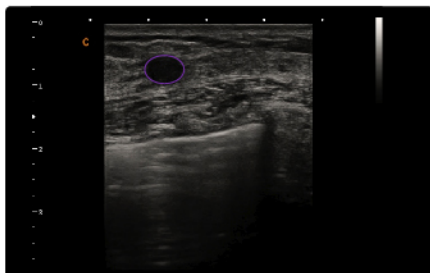
## ► Auto Follicle Detection

- Automatically detect the follicles
- Provide the size of the follicles
- Efficient for the diagnose



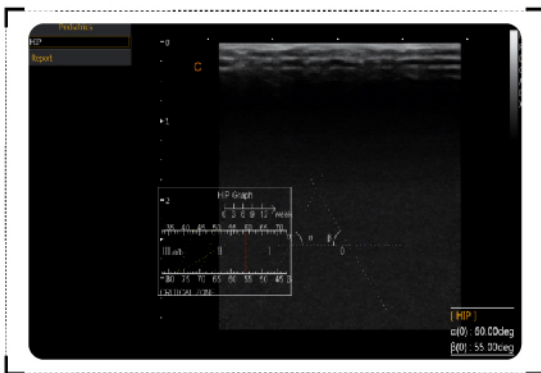
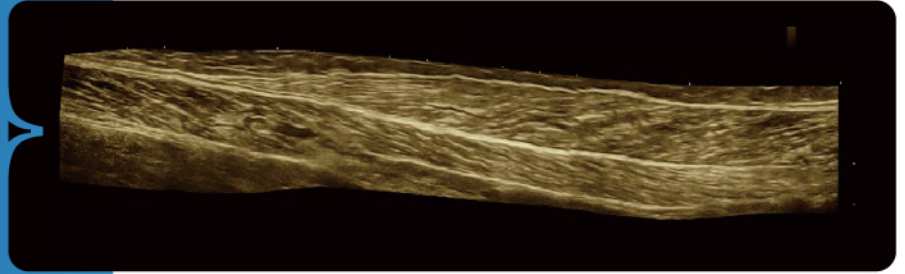
## ► Auto Breast Lesion Detection

- Automatically detect breast lesion
- Provide the size
- Efficient for the diagnose



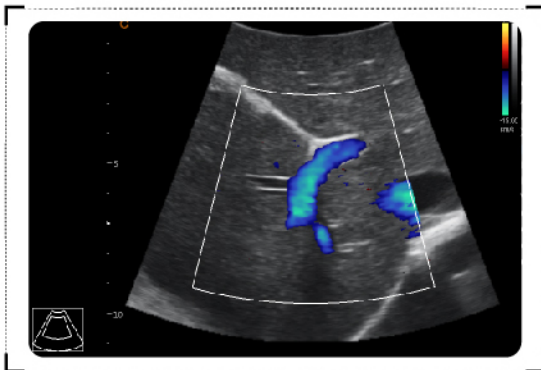
## Real Time Panoramic

1. Real-time curve stitching
2. able to do curve measurement
3. Sampling can be automatically erased and connected



### ▶ Smart HIP

- 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)



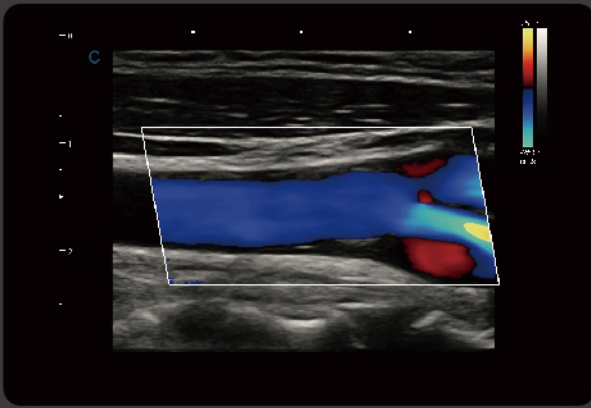
### ▶ HD CZoom

- Zoom the color information , remain the high resolution
- Important for the small vessel blood information detection, especially for the fetal heart diagnose

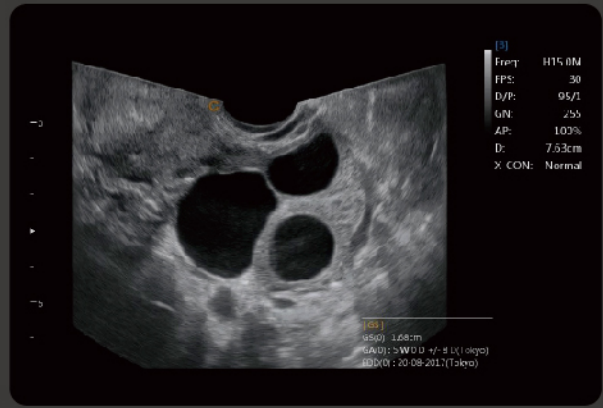


### ▶ Virtual Convex

- Enlarge the scan area in convex probe , same as convex trapezoid
- Better for the big organ display, especially liver, kidney through the rib space



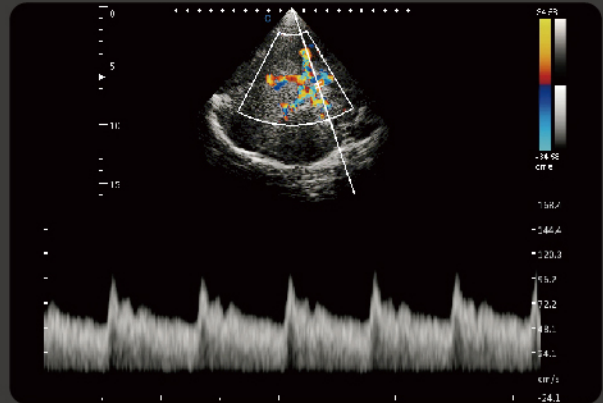
Carotid Plaque, C Mode



Follicles, B Mode



Fetal Face, Virtual HD



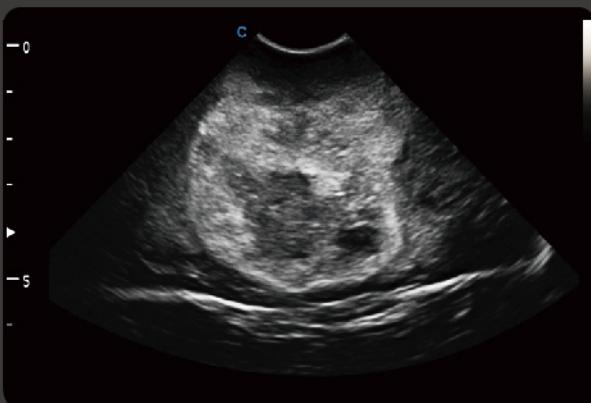
Transcranial, PW Mode



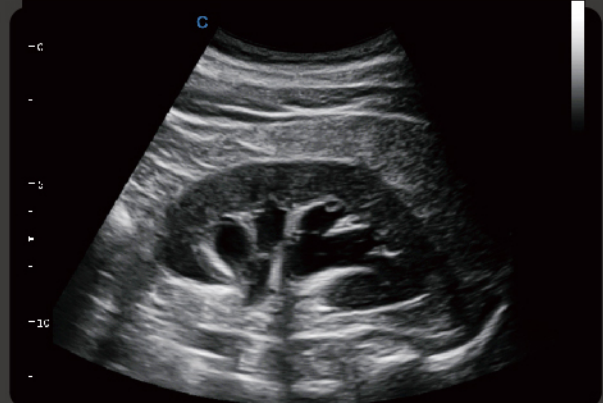
Gestational sac, B Mode



Auto Follicle Detection, B Mode



Pediatric Cerebral Tumor, B Mode



Hydronephrosis, B Mode

# WIDE VARIETY OF TRANSDUCERS



2.0MHz-6.8MHz  
Convex D3C60L



7.0MHz-18.0MHz  
Linear D12L40L



4.0MHz-15.0MHz  
Linear D7L40L



2.0MHz-6.8MHz  
Volume V4C40L



4.0MHz-15.0MHz  
Transvaginal D7C10L



4.0MHz-12.0MHz  
Transvaginal D6C12L



1.5MHz-5.3MHz  
Phased array D3P64L



2.0MHz-6.8MHz  
Micro-Convex D3C20L



4.0MHz-12.0MHz  
Micro-Convex D6C15L

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