



# Vanguard 1



# 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



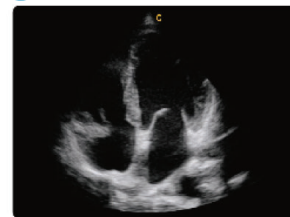
### Raw datas

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

## Breakthrough Technologies



OFF

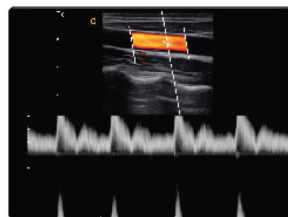


ON

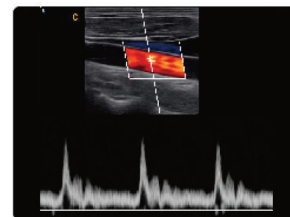
### FHI

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

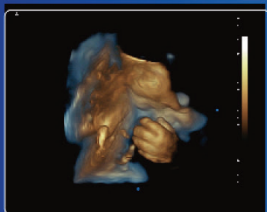
### AIO

- 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.

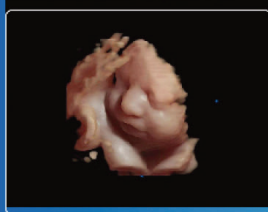
# Advanced Tool for Optimized Healthcare



4D



Depth View



Virtual HD

## Wide angle TV probe

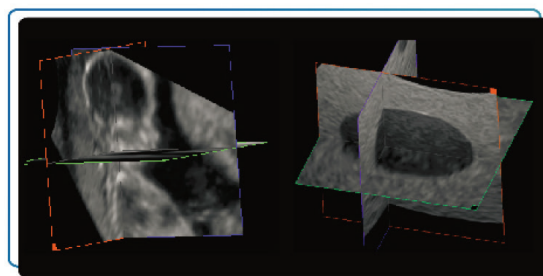
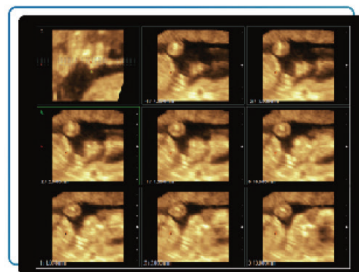
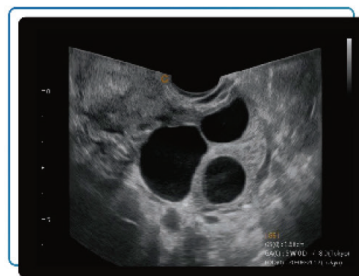
- Up to 210° extremely wide angle
- Provide more diagnose information
- Save time, improve the efficiency

## Smart Volume Slice

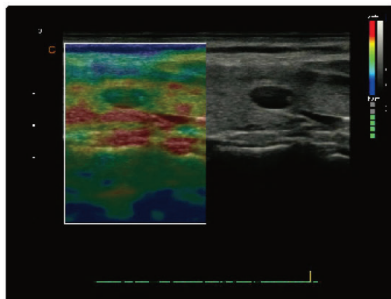
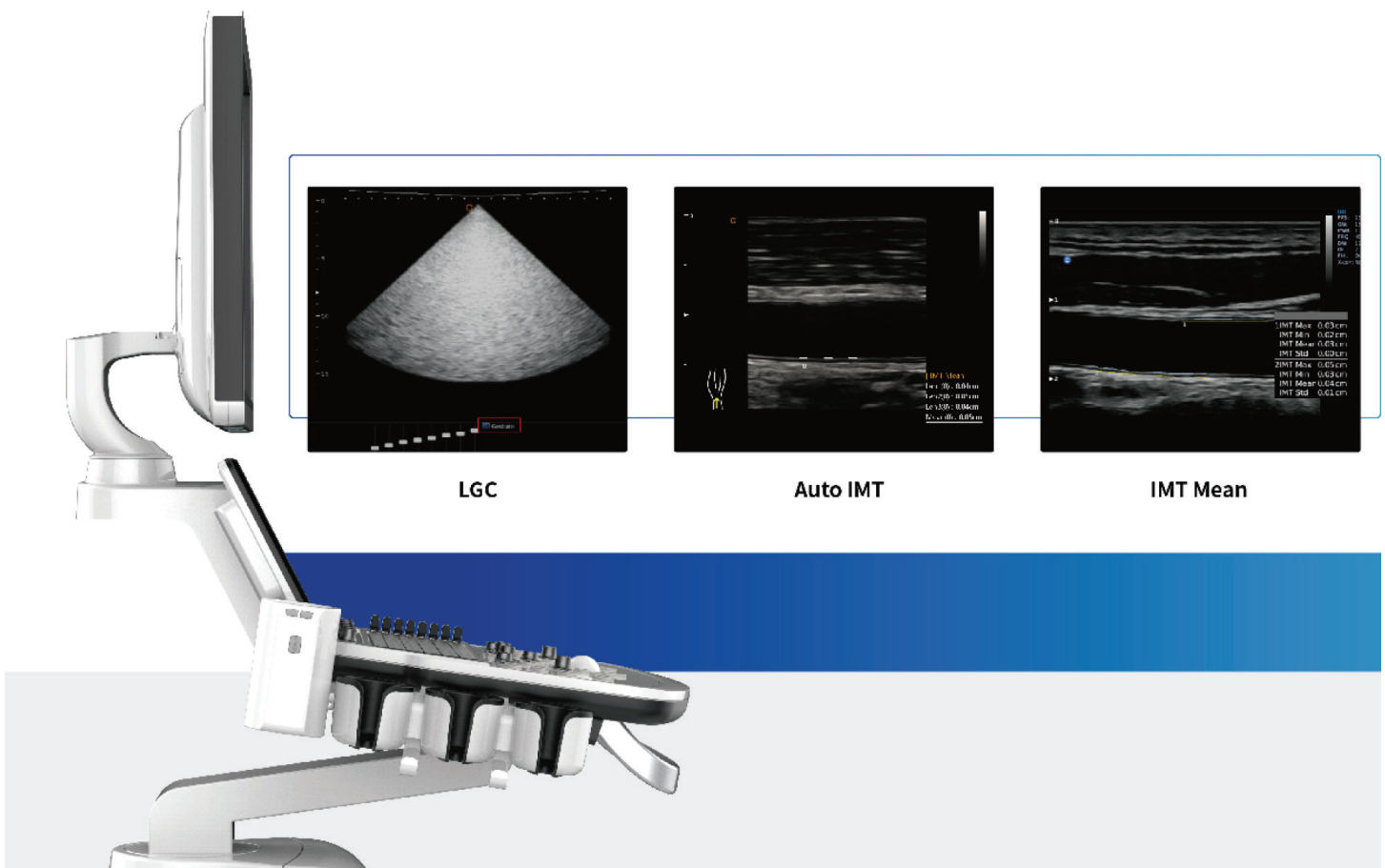
- Cut the 3D volume to different slice observe it thoroughly in tomographic view
- Specialized for deep diagnosis, such as inside cleft lip

## HDNiche

- 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.

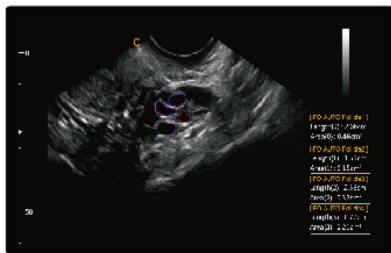






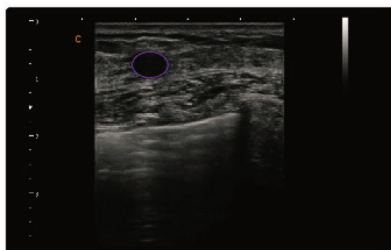
## Smart HIP

- 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

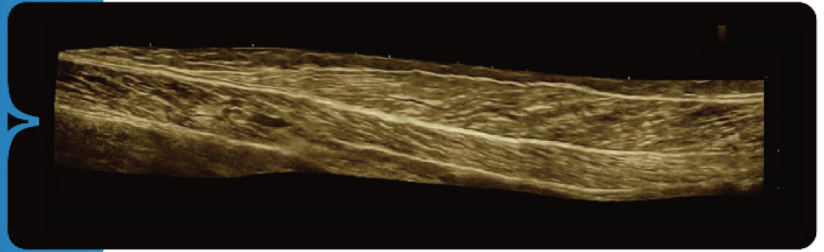
- Zoom the color information, remain the high resolution
- Important for the small vessel blood information detection, especially for the fetal heart diagnose



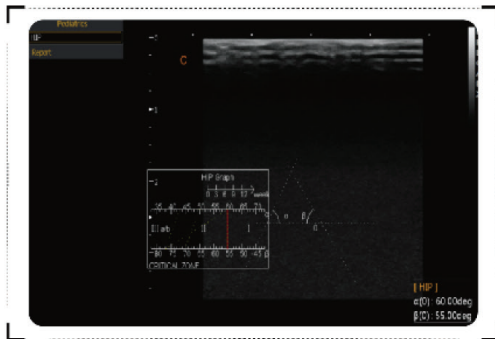
## Virtual Convex

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

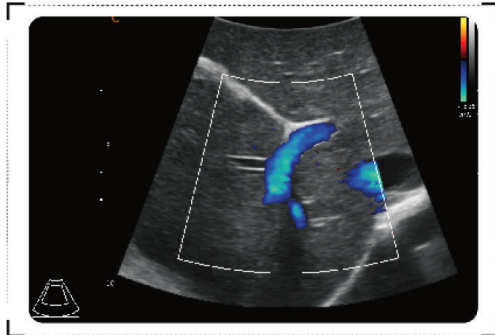
1. Real-time curve stitching
2. able to do curve measurement
3. Sampling can be automatically erased and connected



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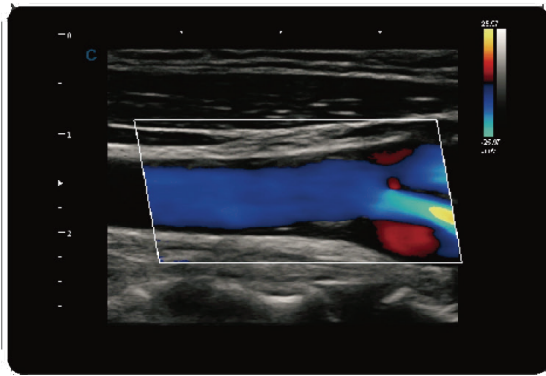
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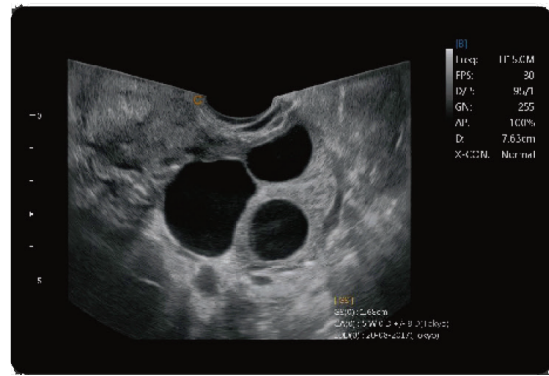


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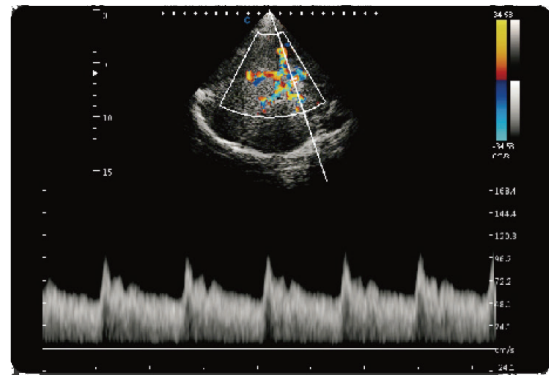
Carotid Plaque, C Mode



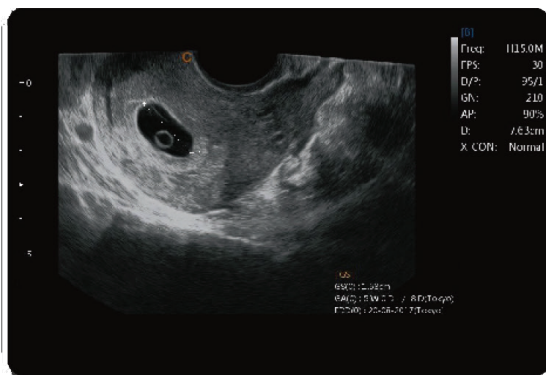
Follicles, B Mode



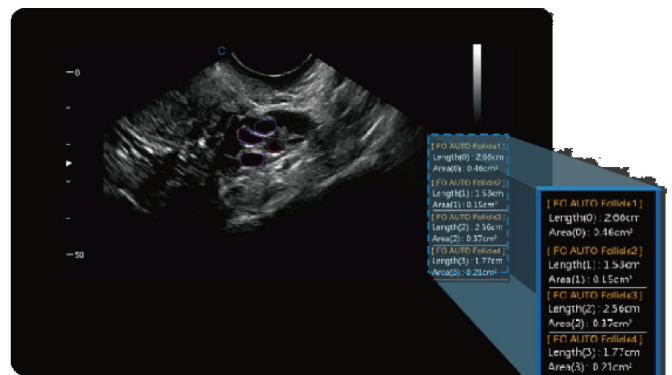
Fetal Face, Virtual HD



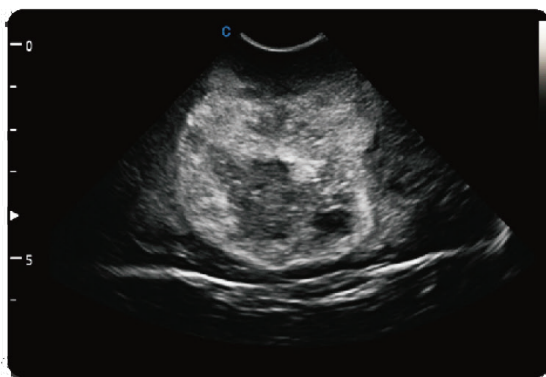
Transcranial, PW Mode



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



7.0Mhz-18.0Mhz  
Linear



4.0Mhz-15.0Mhz  
Linear



2.0Mhz-6.8Mhz  
Volume



4.0Mhz-15.0Mhz  
Transvaginal



4.0Mhz-12.0Mhz  
Transvaginal



1.5Mhz-5.3Mhz  
Phased array



2.0Mhz-6.8Mhz  
Micro-Convex



4.0Mhz-12.0Mhz  
Micro-Convex



4.0Mhz-15.0Mhz  
Trans-Rectal



# Ultrasound Vanguard 1

- Dual Screen Display
- Breakthrough Technologies
- Advanced Tool for Optimized Healthcare







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