



COMPREHENSIVE FOCUS  
**DW-M8**  
PRECISE PUNCTURE

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# APPLICATION FIELDS

PUNCTURE BIOPSY ■ PUNCTURE TREATMENT ■ GUIDE TUBING

- 21.5 inches full-touch screen
- Support liquid disinfection
- Multi-Touch

- ANESTHESIA
- ABDOMEN
- GYNAECOLOGY AND OBSTETRICS
- ORGANELLE
- BLOOD VESSEL
- MUSCULOSKELETAL
- URINARY
- PEDIATRIC





\* The large capacity built-in lithium battery lasts for 3 hours

\* 21.5 inch medical super large high sensitivity capacitive touch screen

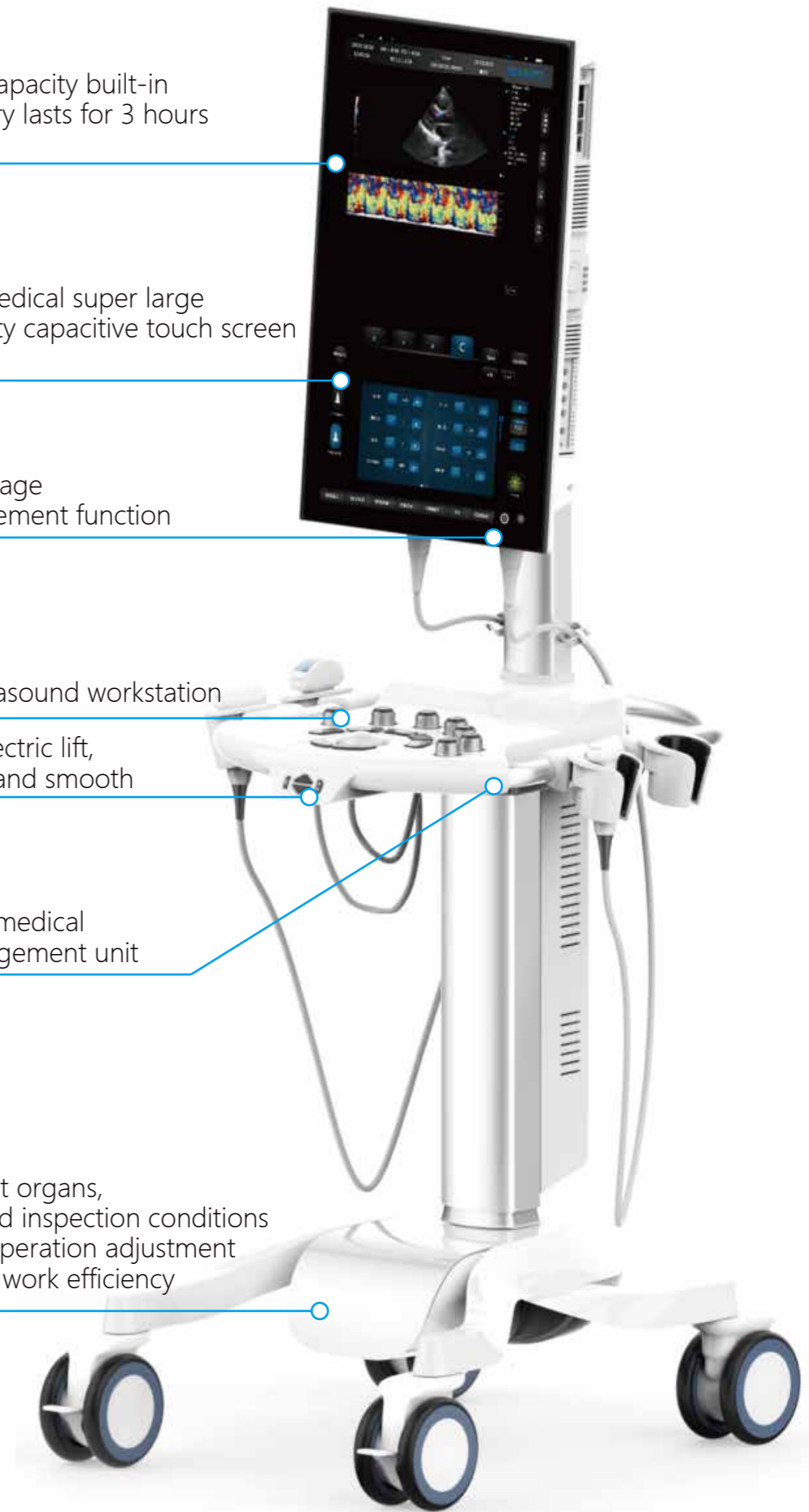
\* Callback image after measurement function

\* Built-in ultrasound workstation

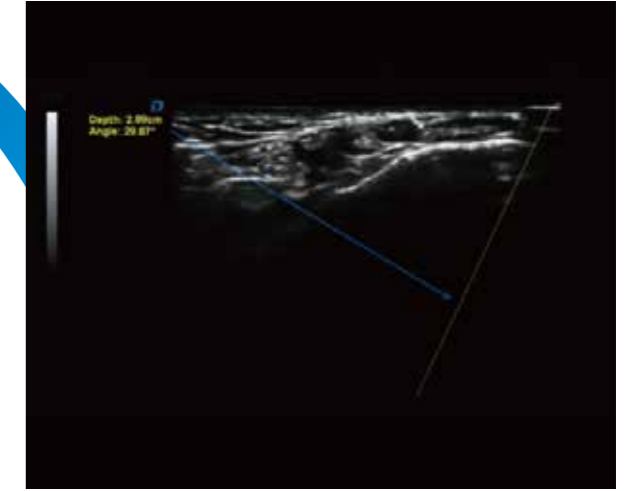
\* One key electric lift, more stable and smooth

\* Integrated medical record management unit

\* For different organs, pre-optimized inspection conditions can reduce operation adjustment and improve work efficiency



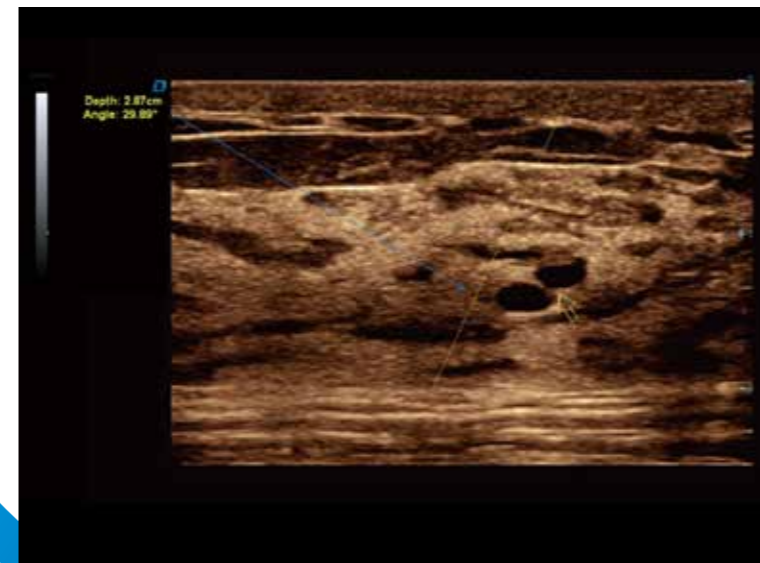
EASY TO EXPAND MORE APPLICATIONS  
DUAL PROBE INTERFACE  
SINGLE HAND INSERTION



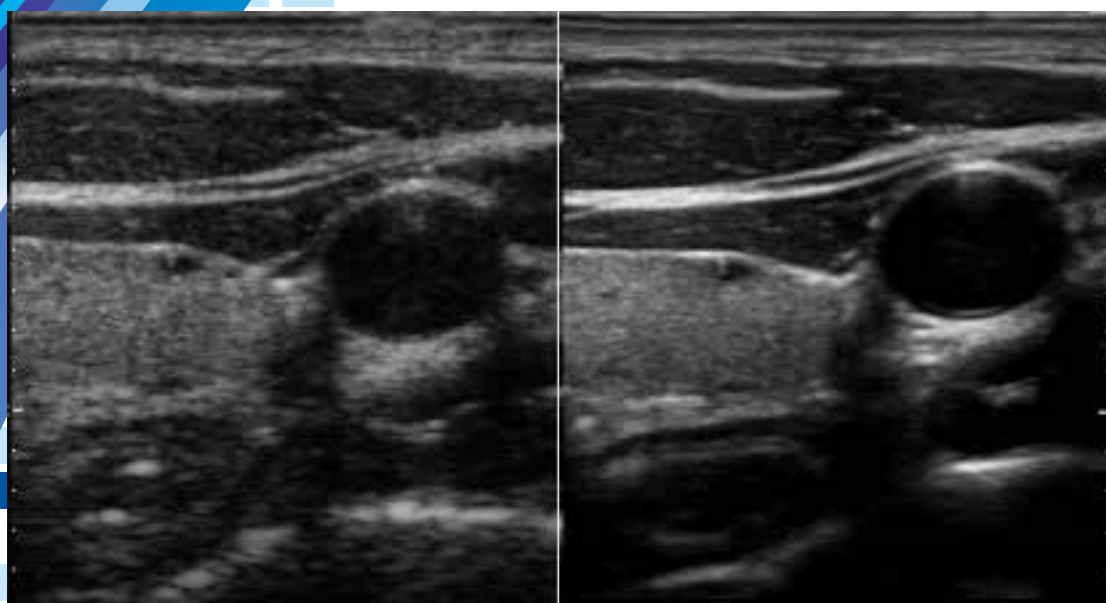
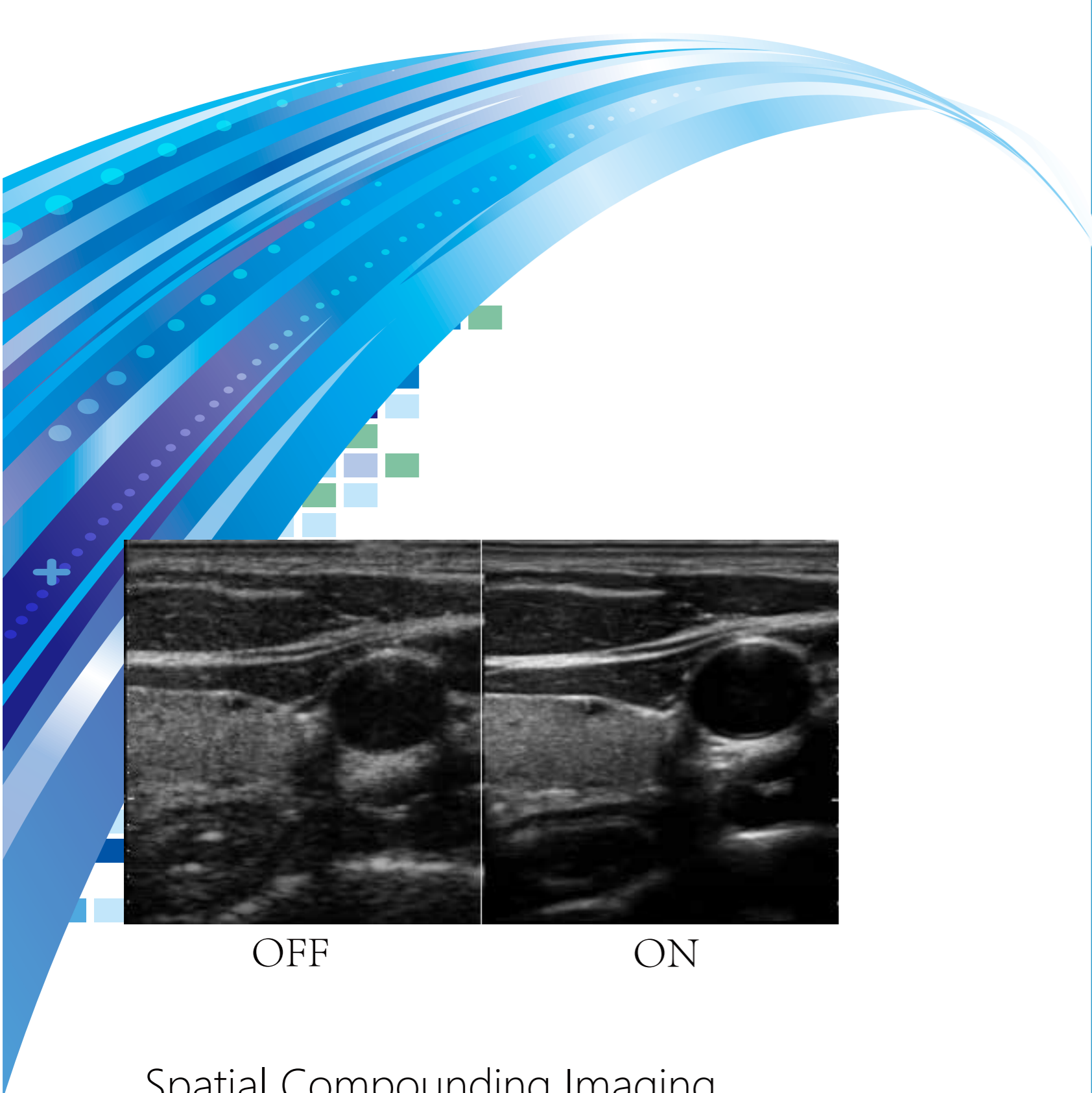
Tibial nerve block

Fully intelligent puncture enhancement, automatic detection of needle body, automatic deflection of sound beam, intelligent enhancement of needle tip and needle body

## BLU-RAY INTELLIGENT PUNCTURE ENHANCEMENT TECHNOLOGY



Automatic detection of needle body  
Intelligence enhances the tip and body of the needle



OFF

ON

## Spatial Compounding Imaging

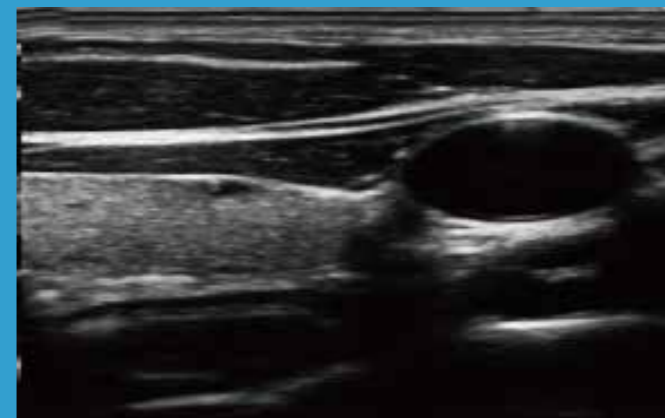
Acoustic beam deflection enhances the boundary signal of the tissue, reduces the echo loss of the lateral wall, and makes the boundary of the tissue clearer.

## TRAPEZOID IMAGING



Ultrasound imaging uses ultrasonic beam to scan the human body and obtain the images of internal organs by receiving and processing the reflected signals.

## FTHI



Reduced noise by optimized filters, enhanced edges, automatic contour detection, clearer images, support for all probes, wide applications.

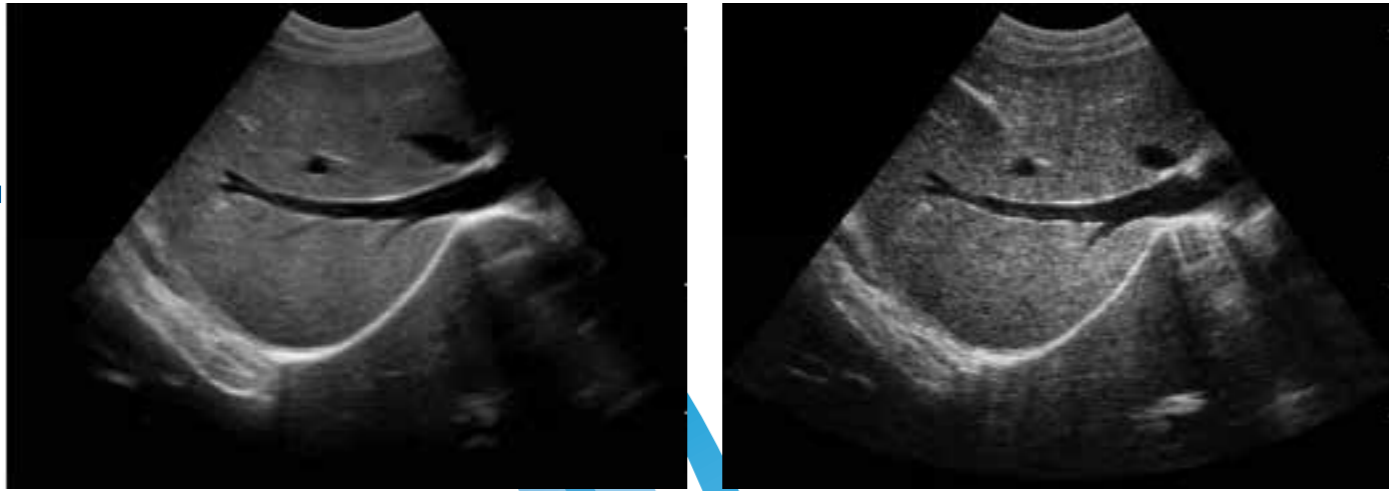
## SPECKLE NOISE SUPPRESSION

Ultrasonic images with noise are extracted from multiple spatial dimensions, and point to point intelligent recognition is carried out for the noisy images in each spatial dimension to obtain the image organization information. The organization information in each spatial dimension was classified into pixel area attribute,



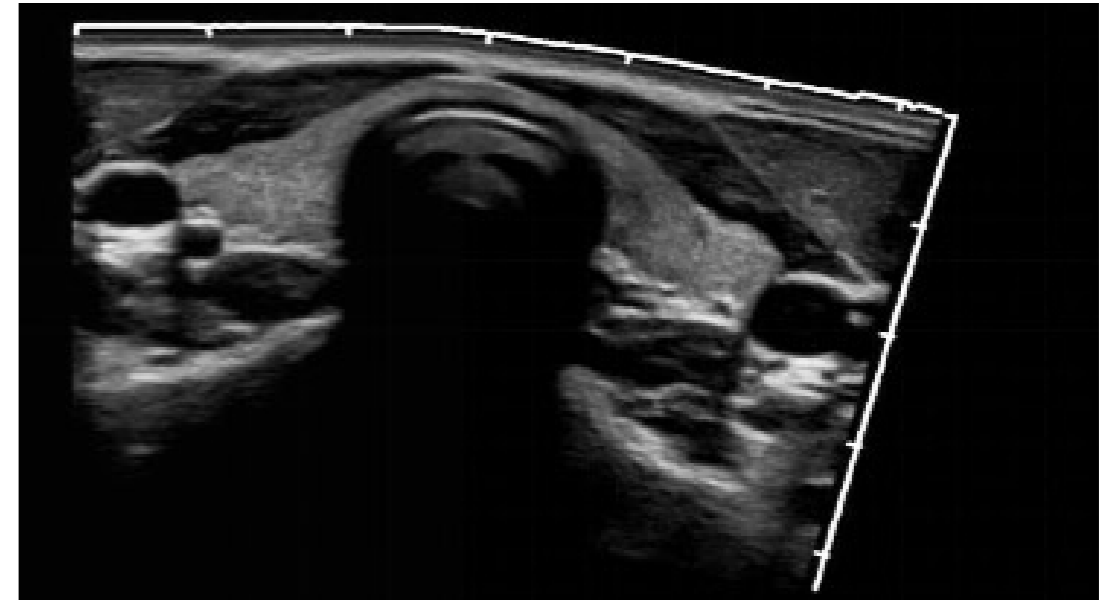
and the pixel was divided into pulse area and edge detail area by local geometry structure. According to the classification of pixel points, speckle noise suppression was carried out on the information of the noisy tissue in each spatial dimension, and the ultrasonic image denoising in single dimension was obtained. The single dimension denoising ultrasonic images of each spatial dimension are synthesized into ultrasonic denoising images.

## MICRON IMAGING

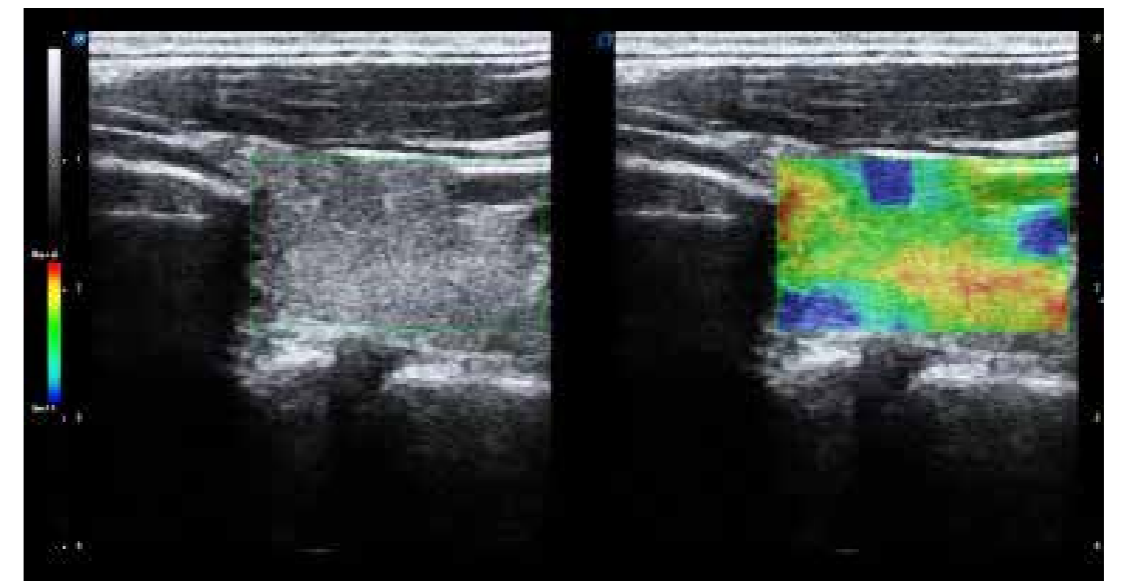


The specific signals of different tissue edges were tracked in real time to achieve edge enhancement. At the same time, each pixel point is monitored, internal signals are optimized, and the edge information and internal pixel information of the organization are perfectly integrated to restore the real and exquisite 2D image with excellent hierarchical comparison.

## OPTIONAL



Real-time panoramic imaging: To expand the scanning field and observe the image information of the larger lesion in real time; It has the function of zooming in picture, adaptive clipping function and intelligent dither suppression technology.



Real-time elastography technology: Elastography imaging technology based on the original data information, using tissue Doppler principle and intuitive parametric imaging mode and quantitative analysis, can truly reflect the deformation of tissue and gain insight into the potential pathological features earlier.