Focus & Fusion

Danus 30

Ultrasound Diagnostic System

A Smart Choice

Danus 30

A Smart Choice for Efficient Diagnosis

Besides unique Hi platform, multi-beam technology and BTM transducer technology, Danus 30's compact, well-balanced design, high mobility and built-in battery make it a smart choice for the doctors' daily use.

High-definition 21.5 inch monitor

13.3 inch touch screen

Cable management solution

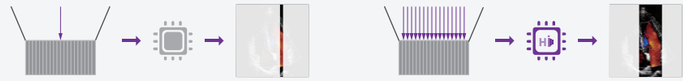
Built-in battery for scanning

Hyper imaging

Advanced Platform

Hi Platform

"Hyper Imaging" is the 2nd generation beam forming technology. Multiple frames are acquired on every launch sequence for more detailed information.

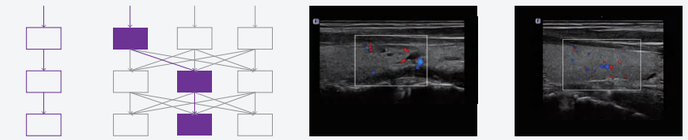


Traditional beam-former

Multiple beam-former on Hi platform

Hi Flow

Hi Flow uses the end-to-end adaptive blood flow algorithm, which can automatically choose the optimal data combination way after multiple times calculation, greatly improve the overall performance of blood flow.



Traditional Blood Flow

End-to-End Adaptive Blood Flow

Traditional

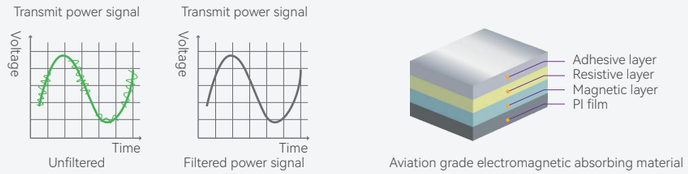
Hi flow

SNS+

Automatically detect and suppress the speckle noise based on multi-dimension algorithm. Acquire and enhance tissue details from different directions, easily capture sub-millimeter level lesion or large organ boarder.

OMG Original Mag Guard

The electromagnetic guard processing of whole system is to prevent the ultrasonic signal from electromagnetic interference during the transmission process, to ensure the stability of the signal transmission, so as to obtain a clearer image.



Aviation grade electromagnetic absorbing material

Transducers

Danus 30 supports a wide range of transducers for different applications, including convex, linear, phased-array, intracavitary, convex volume, XDiamond™ transducers, etc. With Focus & Fusion's unique BTM transducer technique, the performance goes beyond users' expectations.

Convex C5-1
Applications: Abdomen, Obstetrics, Gynecology

Micro-convex MC10-3
Applications: Pediatrics, Cardiology

Intracavitary EC9-4
Applications: Obstetrics, Gynecology, Urology

Linear L12-4
Applications: Small parts, Vascular, MSK

Linear L17-5
Applications: Small parts, Vascular, MSK

HD Linear L13-3
Applications: Small parts, Vascular, MSK, Breast

Phased Array P5-2
Applications: Cardiology, Abdomen, TCD

Phased Array P8-2
Applications: Abdomen, Pediatric cardiology

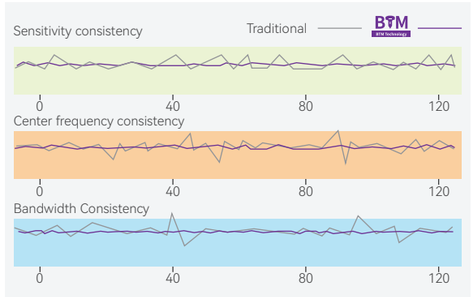
Convex Volume V6-2
Applications: Abdomen, Obstetrics, Gynecology

BTM Technology

Unique BTM platform and precisely controlled process of transducer manufacturing

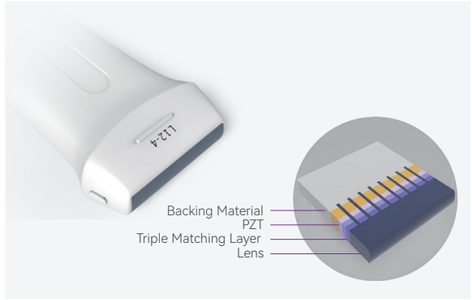
Bonding technique

By uniform bonding process, adhesive to interconnect ceramic and lead is well controlled (max thickness: 1μm) to improve performance uniformity among elements.



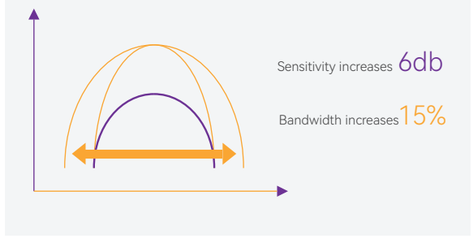
Triple matching layers

Higher sensitivity and wider bandwidth can be achieved through triple matching layers.

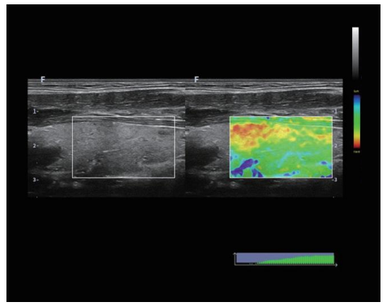


Micro-elements cutting

By micro-elements cutting, one element is cut into several sub-elements to increase sensitivity and bandwidth of transducer.



Advanced Applications

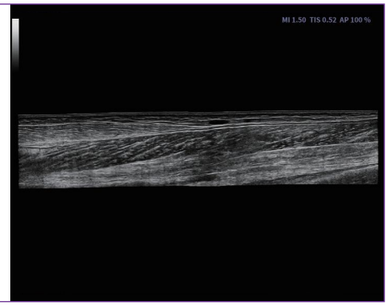


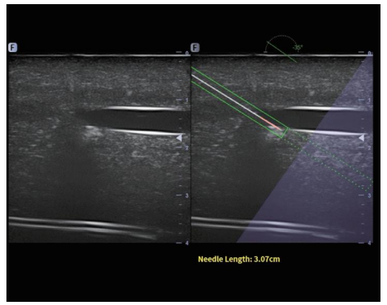
Elastography

Real time elastography is a new noninvasive and painless technique that can help determine the hardness of organs and other structures such as breast, thyroid. Elastic imaging provides users with dynamic visual information and displays the rigidity of organs, which is helpful for direct and quantitative diagnosis and treatment.

Panoramic

The extended field of view displays more image information without sacrificing image quality. A convenient approach for observing big-size organs, especially for MSK structure.



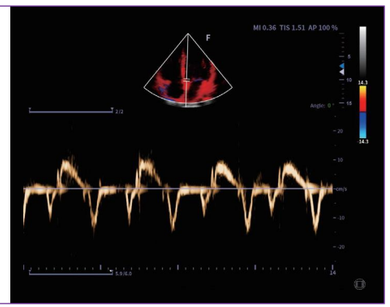


eBiopsy+

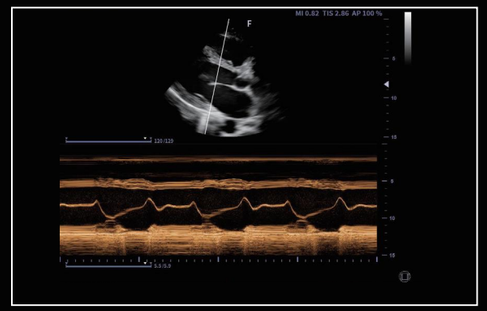
The image of the puncture needle is enhanced by the deflection of the acoustic beam, including needle enhancement, needle tip red rendering, virtual needle passage and scale line, supporting auto steering.

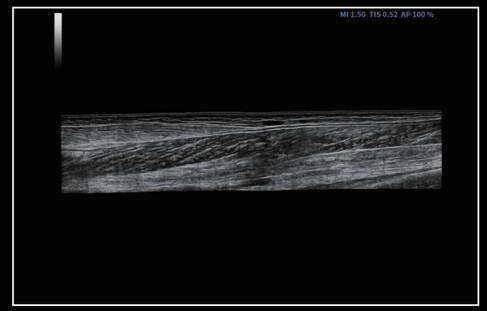
Tissue Doppler Imaging

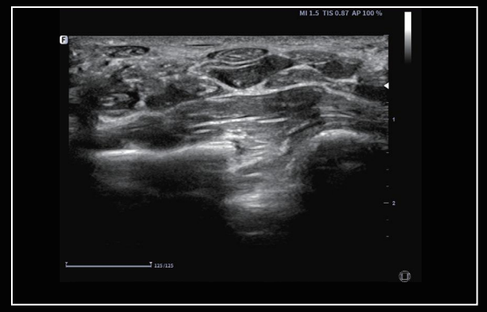
Tissue Doppler Imaging (TDI) is a robust and reproducible echocardiographic tool that employs the Doppler effect to assess muscle wall characteristics throughout the cardiac cycle including velocity, displacement, deformation, and event timings. It has permitted a quantitative assessment of both global and regional function and timing of myocardial events.

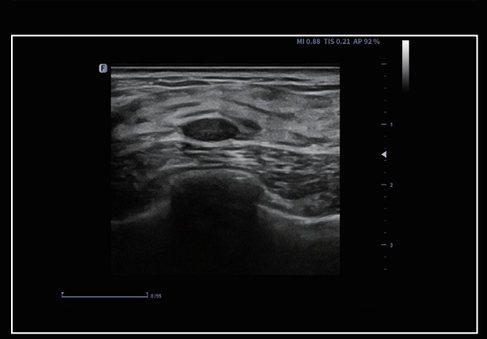


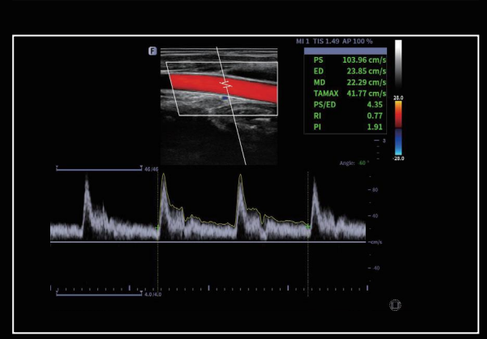
Excellent Clinical Images

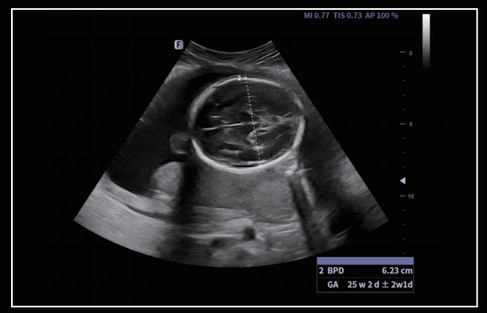


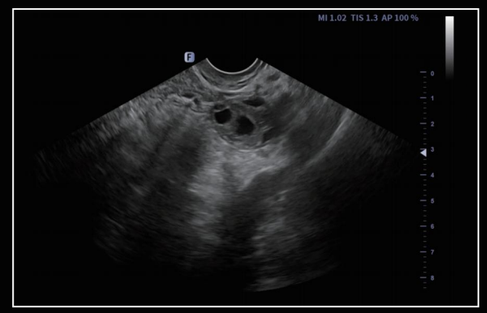












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