

Technical Specifications: CD50

- **Imaging Mode** B, Dual B, Quad B, THI, M mode, Color Doppler, Power Doppler Imaging, Directional PDI, PW, TDI, HPRF, CW, Color M, Anatomic M mode, Dual-Live, Duplex and Triplex mode, Trapezoid Imaging, Real-time B mode Panoramic Imaging
- **Clinical Application** Abdomen, Obstetrics, Gynecology, Cardiology, Urology, Vascular, TCD, Small Parts, Pediatrics, Intra-operative orthopedic, anesthesia and MSK applications
- **Display** 21.5-inch high resolution color LED monitor with 13 " touchscreen
- **Probe Frequency** 1 - 16 MHZ
- **Probe Connector** 5 probe sockets + 1 pencil probe connector
- **Gain Control** Overall Gain Control, 8 TGC continuously adjustable, RT & LT LGC levels adjustable
- **Image Magnification** RF based zoom on freeze as well as saved image
- **Cine Loop** Acquisition, storage, display of up to 15000 frames/seconds in 2D, color and PW/CW images
- **Image Storage** On USB-5 slots, internal HDD of 500GB, CD/DVD, DICOM Connectivity
- **System Upgrade** Flexible System upgrade through software
- **Probes** Convex, Linear, Micro-Convex, Phased Array, Transvaginal, Convex Volume & TV Volume
- **Advance Applications** Strain Elastography, Contrast Imaging, HD Rendering & STIC in 3D/4D, VOCAL
- **Advance Features** VFusion, VSpeckle, VTissue, Easy Compare, Scan tutorials, MCut, Magic Cut

High Density Broadband Probes

■ D3-6CX	■ SI-6P	■ G2-5C	■ G1-4P
■ X6-16L	■ D4-9E	■ D3-6C	■ U5-15LE
■ F2-5C	■ X4-12L	■ G4-9E	■ I4-11T

AeroSCAN
Digital Ultrasound Imaging

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Imaging your imagination



Full **Digital** Technology

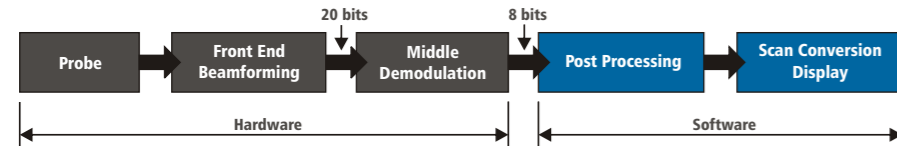
AeroSCAN
CD50

The superb imaging and performance capabilities of AeroScan CD 50 gives you the confidence and efficiencies in your daily exam by providing world class image quality with unmatched high-frequency range. It is equipped with the Next generation adaptive image processing for noise and artifacts reduction that improves tissue presentation and edge definition. The multi-processors allow simultaneous mode changes and support for advanced system functionality.

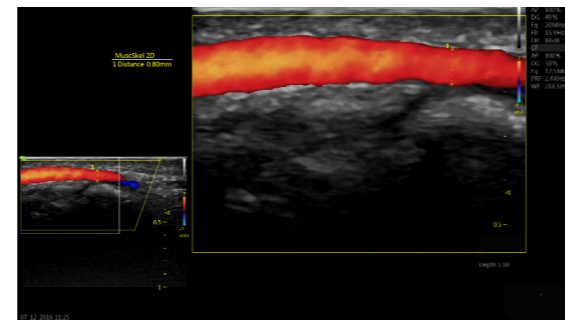
Innovative RF platform

AeroScan unique RF platform, the first of its kind, removes the need for the hardware pre-processing and demodulation of traditional ultrasound platforms. The whole signal is used for image-processing, which allows up to 40 times more data to be retained in comparison with conventional ultrasound techniques.

Traditional Ultrasound Platform - Images data processing platform

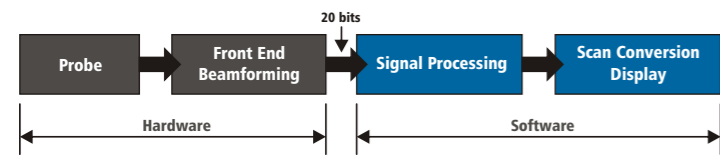


RF Flow Provides good color Sensitivity, Good alignment and Laminar presentation



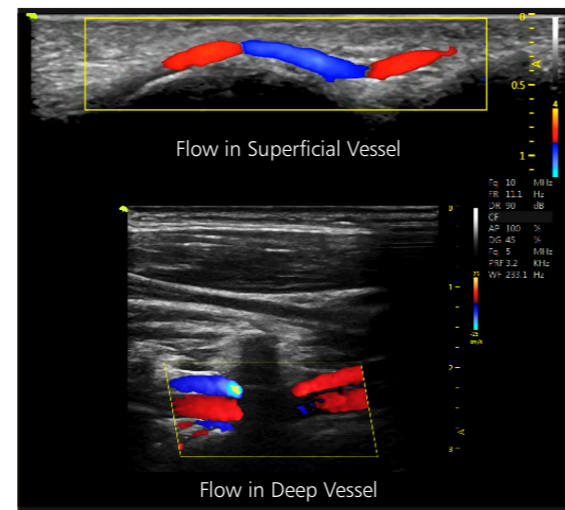
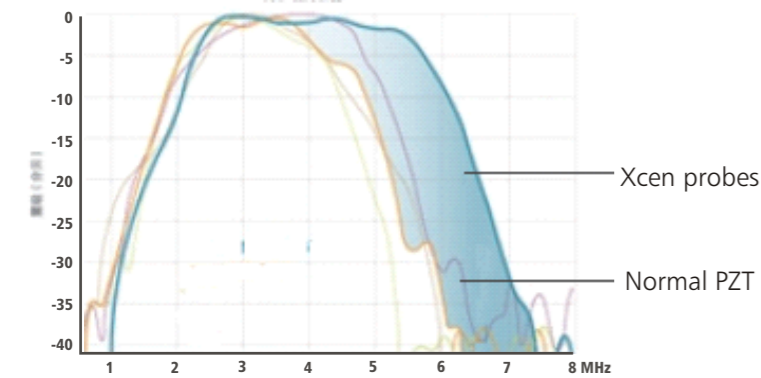
Finger vessel within 1 mm in CFM mode sensitive and good alignment with the vessel due to RF platform

Innovative RF Ultrasound Platform
RF signal data processing platform for better resolution and definition



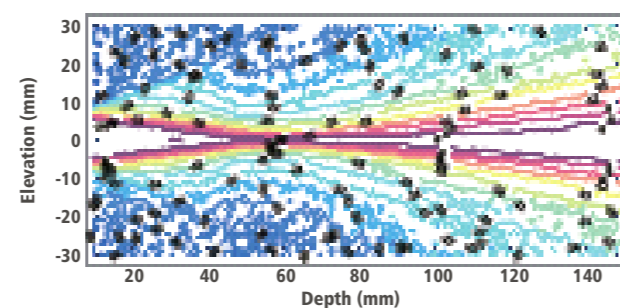
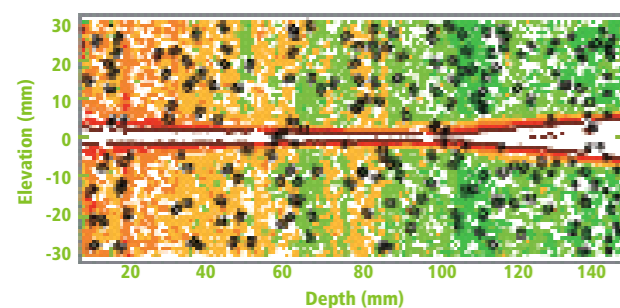
Xcen Wideband Probe Technology

XCEN high frequency technology adds more than 30% of wideband than normal probe to improve resolution for better diagnosis.



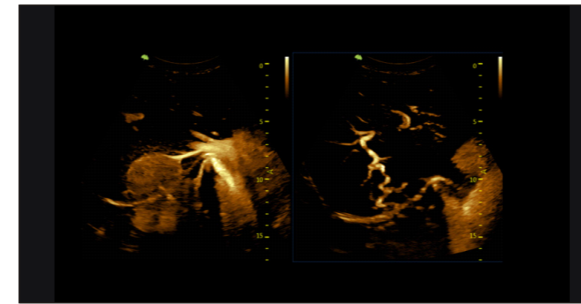
Pure Wave Probe Technology

Pure wave (single crystal) probe technology increases bandwidth and signal sensitivity in order to provide improved penetration and colour sensitivity for cardiac and abdominal applications.



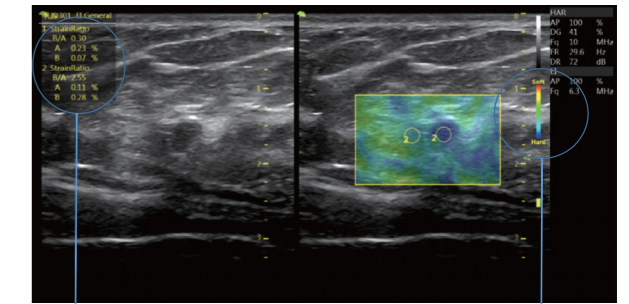
Radiology & OB/GYN

Contrast Bubble Imaging CBI



Qualitative Analysis as well as Quantative Analysis

Elastography Imaging

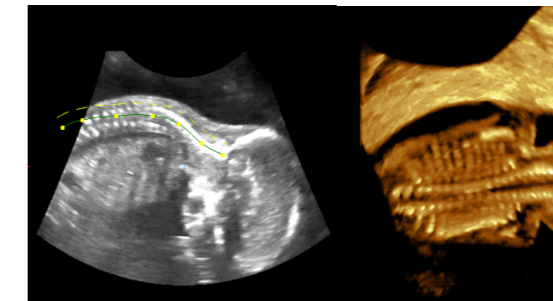


Qualitative Analysis as well as Quantative Analysis
Strain ratio measurement
Color coding

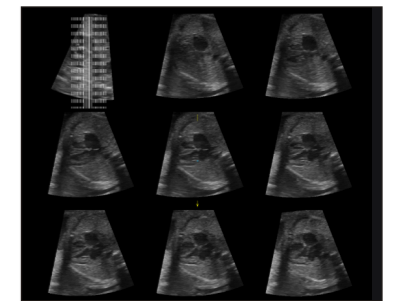
Excellent 3D/4D Image



Fetus-HQ



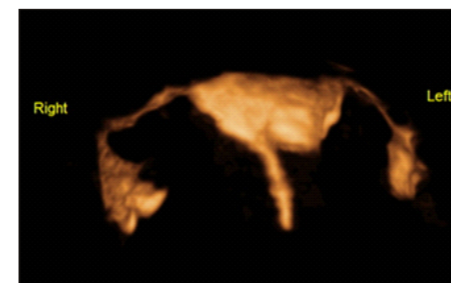
Free view of Fetal Spine to display



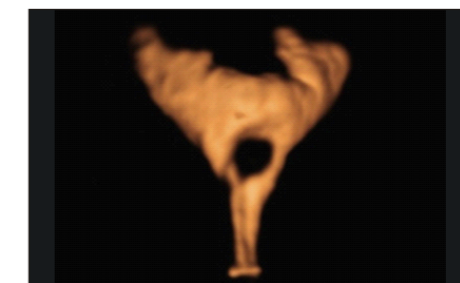
Fetal STIC

Oviduct 4D CBI

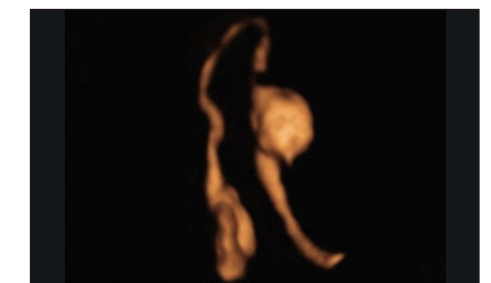
Owing to the huge data processing performance from RF platform, AeroScan CD 50 combines Hysterosalpingography contrast imaging technology with 4D imaging technology. Oviduct 4D CBI takes the dynamic character of 4D imaging to enable observation of the entire course of fallopian tube contrast development rather than an instant capture.



Normal



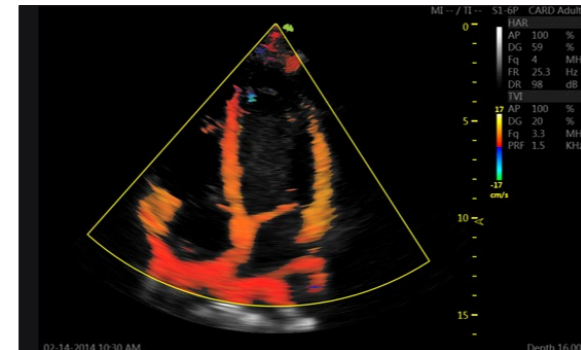
Tubal stenosis of both side



Tubal stenosis of left side

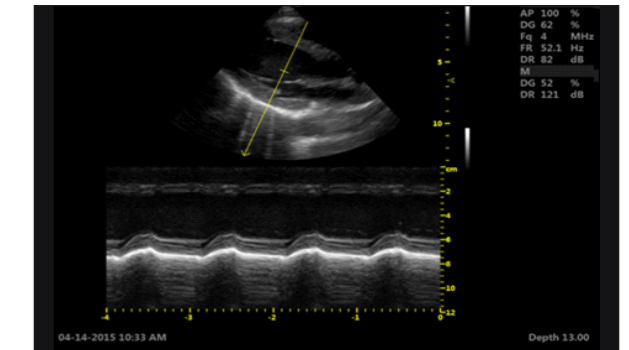
Cardiac Applications

Tissue Doppler/Tissue Velocity Imaging (TD/TVI)



Evaluate myocardial velocities & analyze the cardiac function quantitative

MAM (Multi-Angle M Mode)



Sample from any angle & Provide more accurate information