

Clear Image with Advanced Technology

Coding Control Of Signal Transmitting

Adopting coding technology controls to generate accurate transmitting waves, in order to reach the best fitted matching result with the probe, and improve the echo wave quality in all filed.

Weighted Transmitting Technology

Add different voltage excitation pulse on emitting elements, in order to enhance main valve and decrease side valve, eliminate false images

Doppler Frame Correlation

Through time accumulation to increase signal-noise ratio in signal testing, improve sensitivity of weak blood signal, and make the image layers be more reasonable, clearer, and smoother after Doppler frame correlation

Doppler High Speed Optimization

Automatically optimizing Doppler spectrum, upon different blood flow, and automatically optimizing color Doppler blood flow quickly upon different blood speed. It is available for obtaining best blood flow images of serious sick patient and children in short time.

Accurate Blood Flow Imaging

Intelligently recognize blood activity and tissue activity, make blood flow more filling, and make tissue's boundary clearer.



Versatile File Management:

DVD-ROM RW, Mega volume hard disk, RS232 port, USB port, parallel port, internet port

General
Keyboard

Touch
Screen

Flexible
swivel
free arm

LCD
monitor





iSonic complete ultrasonic diagnostic system gathers digital color doppler imaging technology, speckle reduction technology, multi-beam parallel imaging technology, and effective file management system, versatile professional software. Deluxe appearance with ergonomic touch screen, iSonic brings unexpected scanning experience for doctors.



I-MAX

- Multibeam Parallel Processing
- Accurate Blood Flow Imaging
- Intelligent Speckle Reduction
- Coding Control Of Signal Transmitting
- Doppler High Speed Optimization
- Weighted Emitting technology





Friendly Clinical Solutions

Real Time Triplex

B mode, Color and doppler mode can display simultaneously, positioning more accuracy and being analysis more intuitively

Micro Angle Adjustment

Micro angle adjustment can improve doppler blood flow's image accuracy, convenient for multi angle's observation.

One Key Optimization

Frontier Imaging Processing Technology

Multibeam Parallel Processing

After emitting one wave, it receives echo signals from different directions, to improve image's time resolution, and improve decreasing noise of frame frequency.

Intelligent Speckle Reduction

Automatically recognize and enhance effective tissue information of echo's signal, in order to decrease and eliminate noise, improve signal noise ratio, and make images clearer.

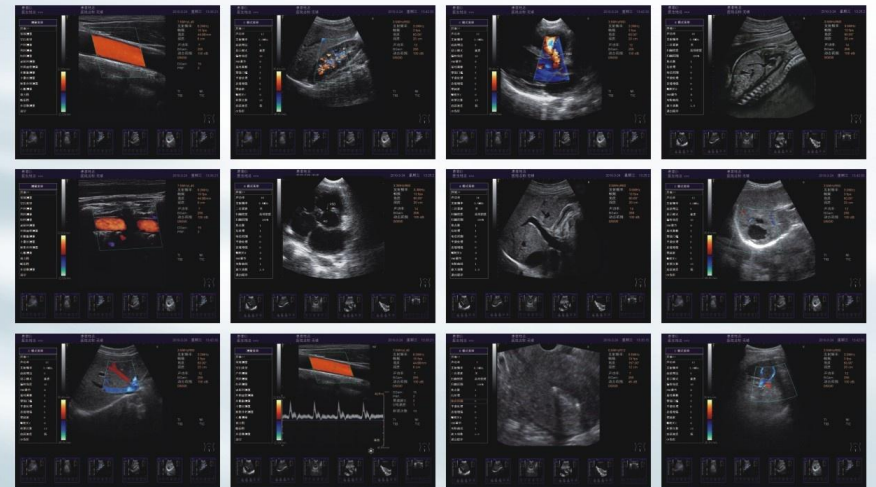
THI

Adopting echo wave's tissue harmonic imaging, to reduce the overlap structure and side valve's distortion, improve space resolution and contrast resolution.

Composite Gain

Applying of TGC and D-AGG, to keep the undistorted echo signals, and realize high signal noise ratio. Applying TGC Gain, to reach linearly amplify the inputting signal's strength so that to improving output signal noise ratio, dynamically adjusting TGC to best adjustment value.

Clear Clinical Images



Specification

Operating Mode	B, 2B, 4B, B/M, M, B/C, B/C/D, B/D, PW, velocity, power (direction), histogram, Triplex/Duplex
Probe	Electronic convex, linear, transvaginal, pediatric, Wide band multi frequency
Imaging Processing Technology	Imaging optimization technology, Compound enhance technology, Speckle reduction, Multi beam parallel processing technology, Wall filter, Color coding, Doppler frame correlation, Tissue Harmonic
File management	Hard disk storage, Cine loop, DVD-ROM, USB, RS232, DICOM 3.0 Intranet, Parallel printing port
Software Packages	OB, Gyn, Small parts, Urology, Anthology, Cardiac, Vessel
Standard Configuration	Main unit, 3.5Mhz Convex Probe, 17" LCD, Hard Disk (250G), 6 USB port
Options	3.5Mhz R20 cardiology probe, 6.5Mhz R10 transvaginal probe, 7.5Mhz Linear Probe, DICOM 3.0

Probes



iSonic

**Color Doppler Ultrasonic
Diagnostic System**