

Full-digital Color Doppler Diagnostic System

Model: CCB-8000

Clinical application

For clinical diagnosis of abdomen, obstetrics, gynecology, cardiology, small organs, superficial blood vessels, musculoskeletal, ophthalmology, anesthesiology, urology, neurosurgery and other specialist clinics.



+



+



+



High-frequency Linear

Transvaginal Probe

Abdominal Convex Probe

Cardiac Micro-convex

Leading ultrasound imaging technology

1. World-advanced ultrasound platform and architecture

An 8-core DSP processor and a front-end ultrasound chip with the latest generation of "digital demodulator" is adopted, providing powerful computing capability, high integration, low power consumption as well as seamless upgrade which supports elastography.

2. Sparse transmit & multi-beam parallel processing technology

Plane-wave transmitting as well as 16-beam parallel receiving and processing improve the frame rate of image and blood sensitivity in B + C and B + C + D modes, achieving triplex display.

3. Pulse inversion harmonic imaging technology

Superior to traditional tissue harmonic imaging technology, pulse inversion harmonic imaging technology is applied to suppress side lobes and improve contrast resolution of the tissue with counteracted fundamental and enhanced harmonic.

4. Synthetic aperture beam-forming technology

Break of restrictions traditional DAS beam-forming algorithm has on the number of physical channels generates excellent images both in near field and in far field with smaller hardware and lower transmit power.

5. A continuous transmit focus at every pixel

The distance differences of transmitting sound waves and those of receiving sound waves are calculated simultaneously, resulting to higher imaging precision and accuracy.

Diagnostic differences caused by differentiation of operators are lessened with no focus displayed and no need of manual adjustments.

6. Speckle noise suppression technology

Removal of speckle noise significantly clears and smooths the 2D image.

7. Freehand 3D & 4D imaging technology

The detection rate of fetal malformation is raised substantially .

Features

1. 15-inch high-light medical LCD screen with adjustable angle;
2. Multi-display mode: B / 2B/ M/ CD/ PWD/ Pwr/DirPwr/ Triplex
3. 3 probe ports. Probe freely switching;hot-swapping available.
4. DICOM3.0, remote network assistance available
5. Built-in Integrated workstation can import typical medical records to realize automatic diagnosis.
6. Built-in PC Control platform.

Superior Imaging Quality

