WELLD®

Love from Heart

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FDC8100

FULL DIGITAL COLOR DOPPLER DIAGNOSTIC SYSTEM

CE RoHS

www.welld.com.cn

FDC8100

FDC8100 is a newly developed Color Doppler Diagnostic System of WELLD with completely independent intellectual property rights. Characterizing world-advanced technology, modern ergonomic design, stellar image quality, high blood sensitivity and extensive probe adaptation capability, it can meet varies needs of clinical diagnosis of abdomen, obstetrics, gynecology, cardiology, small organs, superficial blood vessels, musculoskeletal, ophthalmology, anesthesiology, urology, neurosurgery and other specialist clinics.

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.

Ergonomic Design

Monitor supporting 180 °free adjustment, a wide-ranged size choice, 19 inch LCD monitor standard

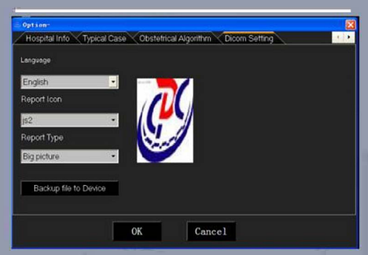
Operation panel characterizing numerical control back light, fast regulation and one-key easy optimization

Four probe connectors, free probe switching, hot-swapping available

DVD-RW, automatically starting U disk with system restoration and maintenance function

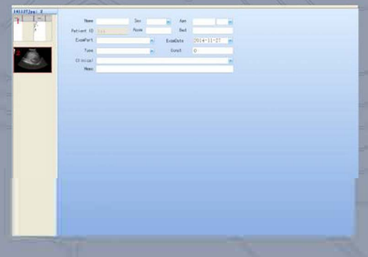
Newly designed ergonomic console

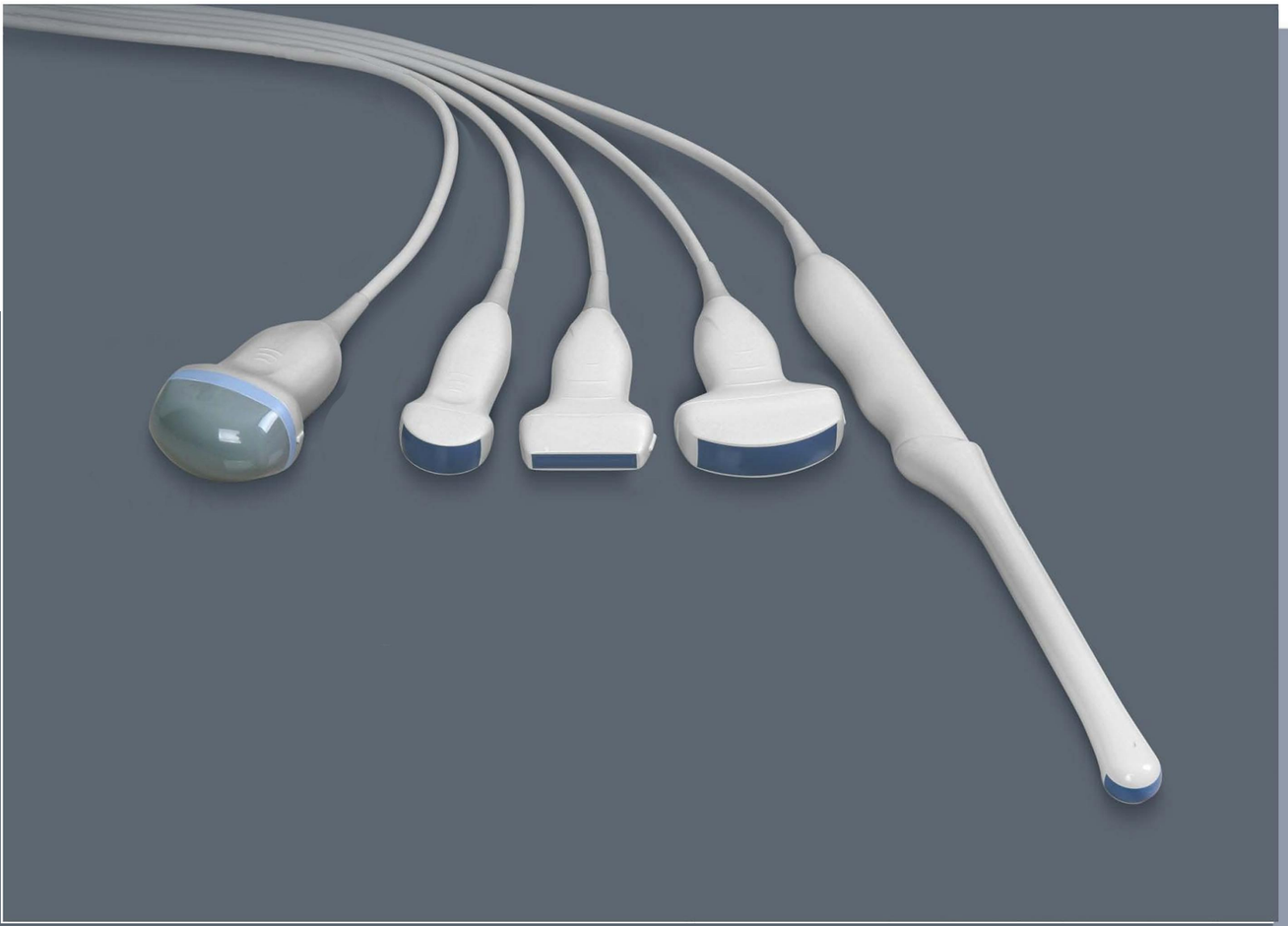
Multiple choices of language display



DICOM3.0, remote network assistance available

Graphic workstations, import from and export to typical cases generating quick diagnosis



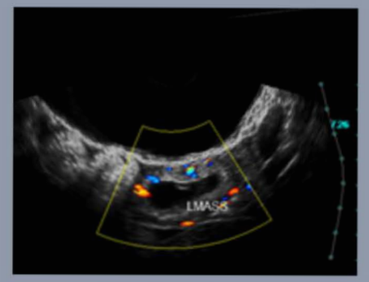


Broadband Frequency Probes

High-density and wide-band probe group

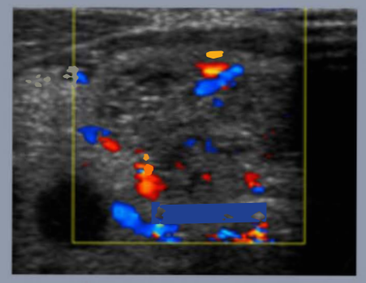
All probes supporting harmonic imaging mode

3D Image - Twins

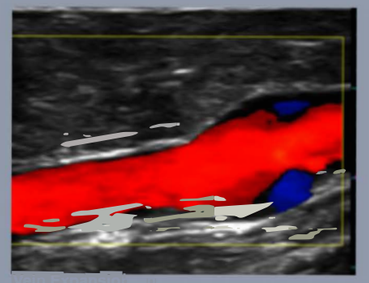


Vagina In Color Doppler Mode

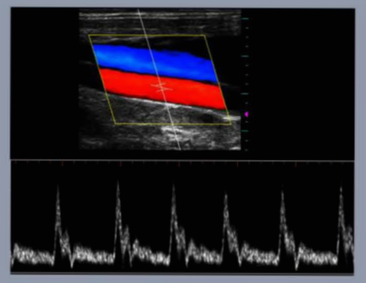
2D Image - Twins



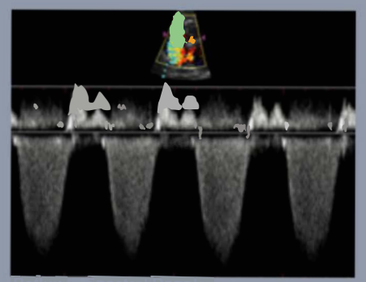
Thyroid In Color Doppler Mode



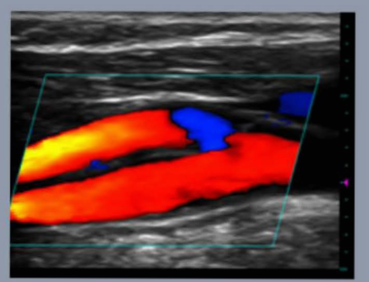
Vein Expansion And Reflux



Real- time Triplex Display



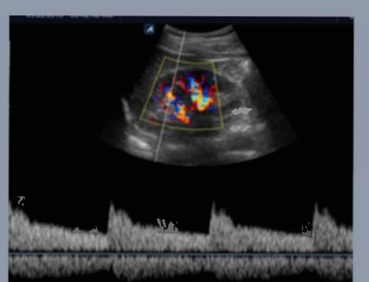
Reflux In Spectral Doppler



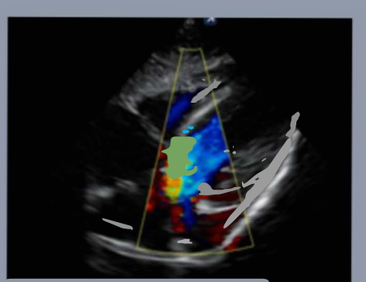
Communis Carotid Artery Biurcate In Color Doppler Mode

Cardiology In Color Doppler Mode

Abdomen In Color Doppler Mode



Real- time Triplex Display



Cardiology In Color Doppler Mode