

Excellent Ergonomic Design

FDC6100 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 various needs of clinical diagnosis of abdomen, obstetrics, gynecology, cardiology, small organs, superficial blood vessels, musculoskeletal, ophthalmology, anesthesiology, urology, neurosurgery and other specialist clinics.



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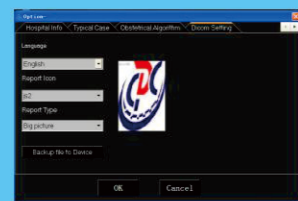
Ergonomic Design:



User-friendly control panel with digital back-light keys, rotary trackball and one key to achieve streamlined workflow easy diagnosis.



Three probe connectors, free probe switching, probe automatic recognition, hot-swapping available.



Multiple language available.



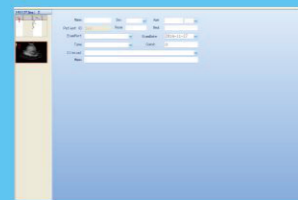
Big capacity & rechargeable lithium battery.



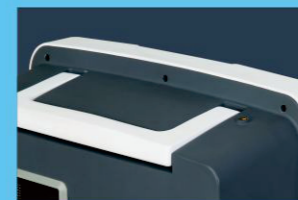
Simple and generous appearance with 15" LCD screen.



Abundant connectivity: USB x4, DICOM 3.0, VGA, RS232.



Unique graphic medical record database, save and pull up typical cases, fast diagnosis.



Hidden handle.

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HONGDA Member of Hongda High-tech
Stock Code: 002144

version number: V1.0



WeChat



FDC6100

Full Digital Color Doppler Diagnostic System



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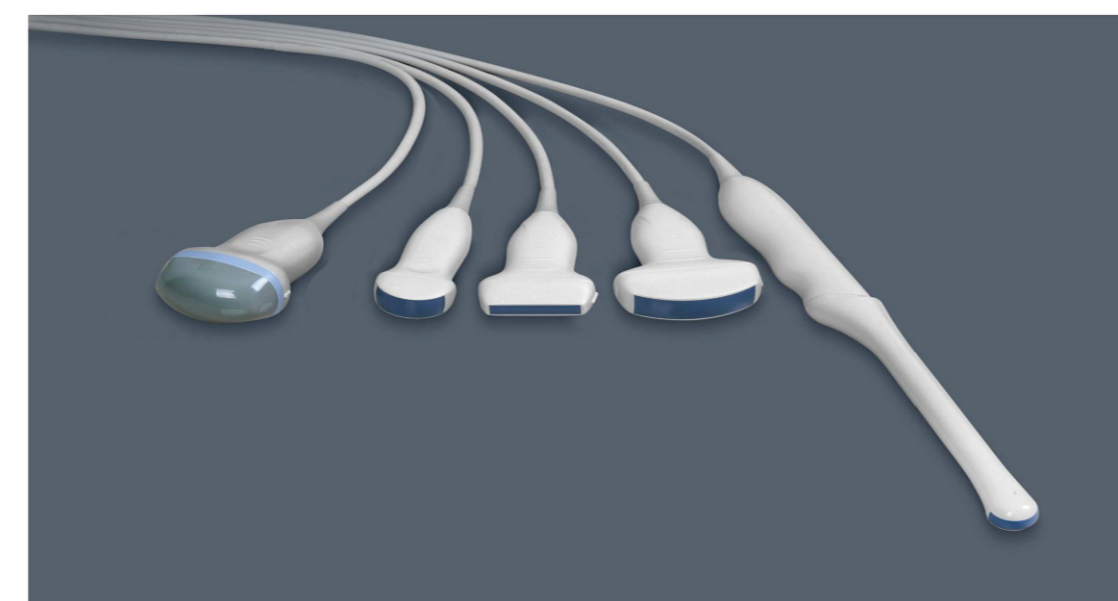
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FDC6100

Clinical applications

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



Broadband Frequency Probes

- High-density and wide-band probe group
- All probes support Pulse-inversion Harmonic Imaging

Leading ultrasound imaging technology

★ 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 to elastography.

★ 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.

★ 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.

★ Synthetic aperture beam-forming technology

It is a breakthrough to traditional DAS beam-forming algorithm which request for higher physical channels. The New SA beam-forming technology could generate excellent images both in near and far field with lower hardware and lower transmit power.

★ 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 different operators are lessened with full focus displayed and automatic adjustments.

★ Speckle noise suppression technology

The Removal of speckle noise significantly makes the 2D image smoother and clearer.

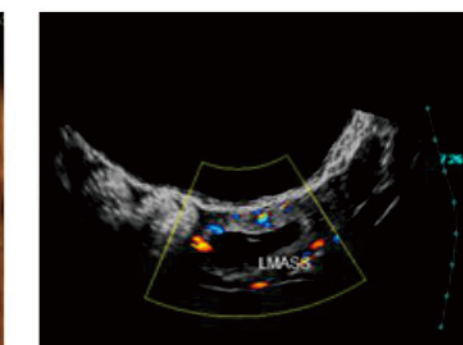
★ Freehand 3D & 4D imaging technology

The detection rate of fetal malformation is raised substantially.

Amazing Clinic Images



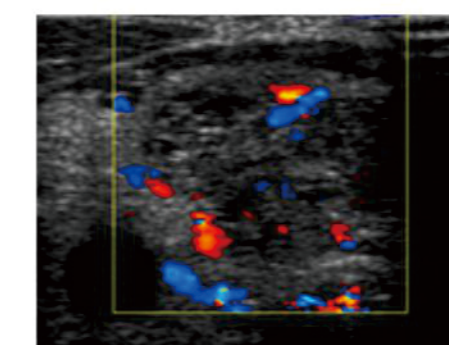
4D Image - Twins



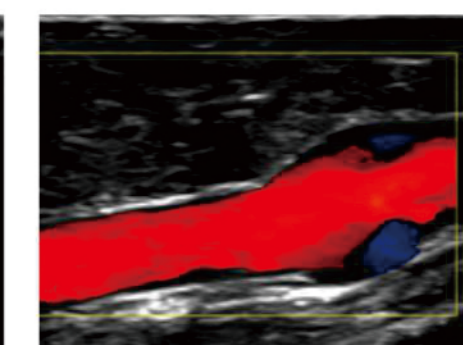
Vagina In Color Doppler Mode



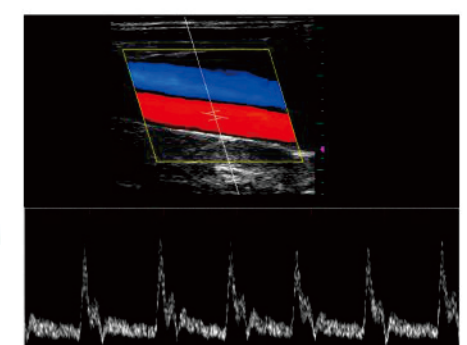
2D Image - Twins



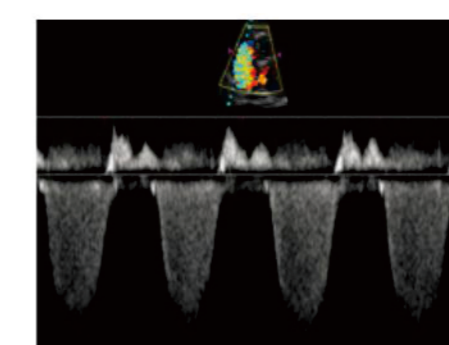
Thyroid In Color Doppler Mode



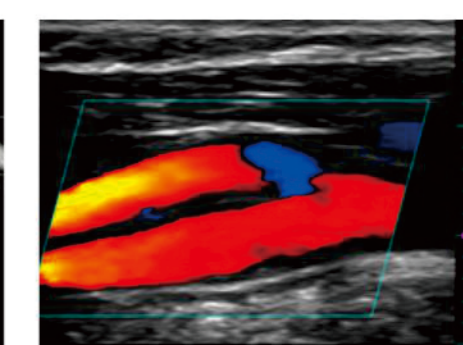
Vein Expansion And Reflux



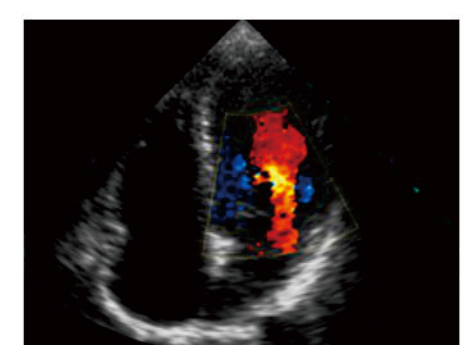
Real-time Triplex Display



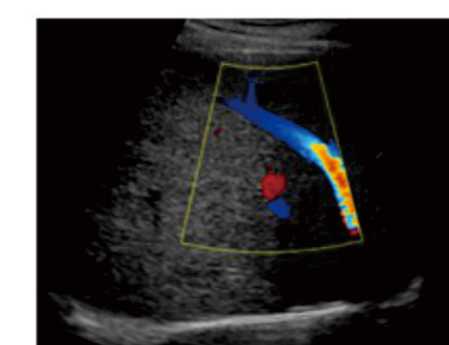
Reflux In Spectral Doppler



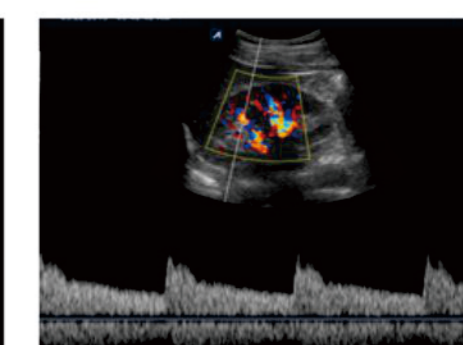
Common Carotid Artery Bifurcate In Color Doppler Mode



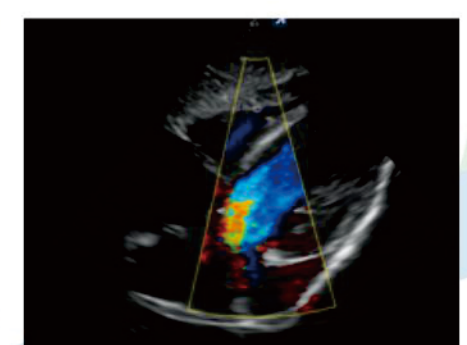
Cardiology In Color Doppler Mode



Abdomen In Color Doppler Mode



Real-time Triplex Display



Cardiology In Color Doppler Mode

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