CTS-5500

Full Digital Ultrasound Imaging System

- Digital Beam Forming Technology
- Broadband Five-frequency Probes
- Powerful Document Management System
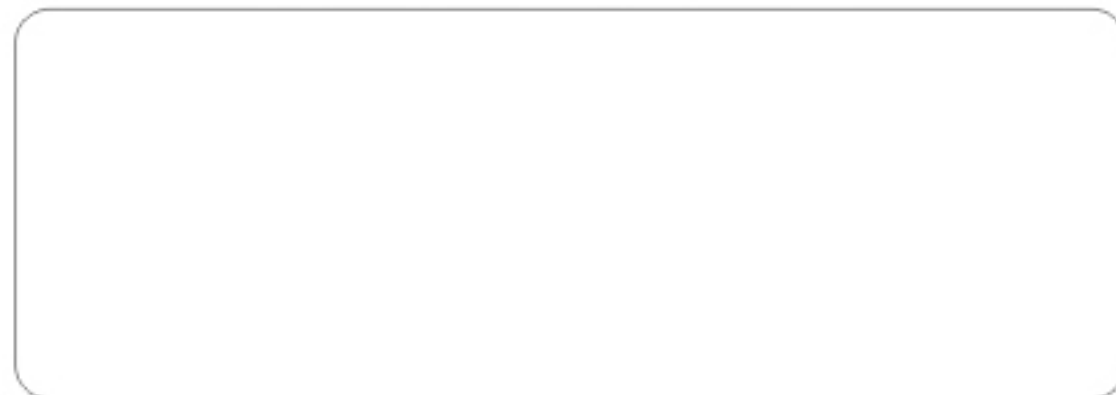- Professional Software Package

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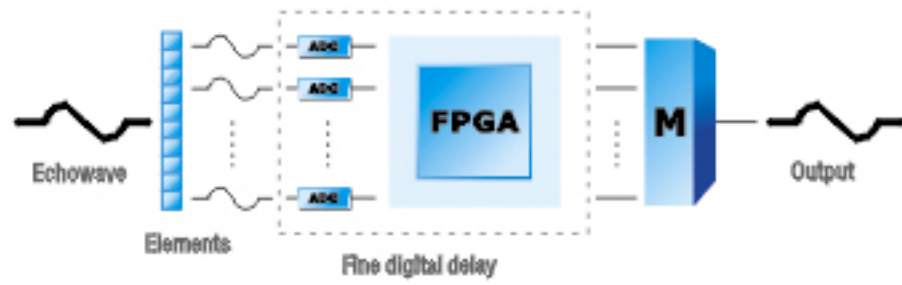**Tel:** +86-754-88250150   **Fax:** +86-754-88251499

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CTS-5500

Full Digital Ultrasound Imaging System

Echowave — Elements — Fine digital delay — FPGA — M — Output

Accurate beam forming and signal processing, digital image acquisition and processing ensure images with clear-cut edge and no distortion.
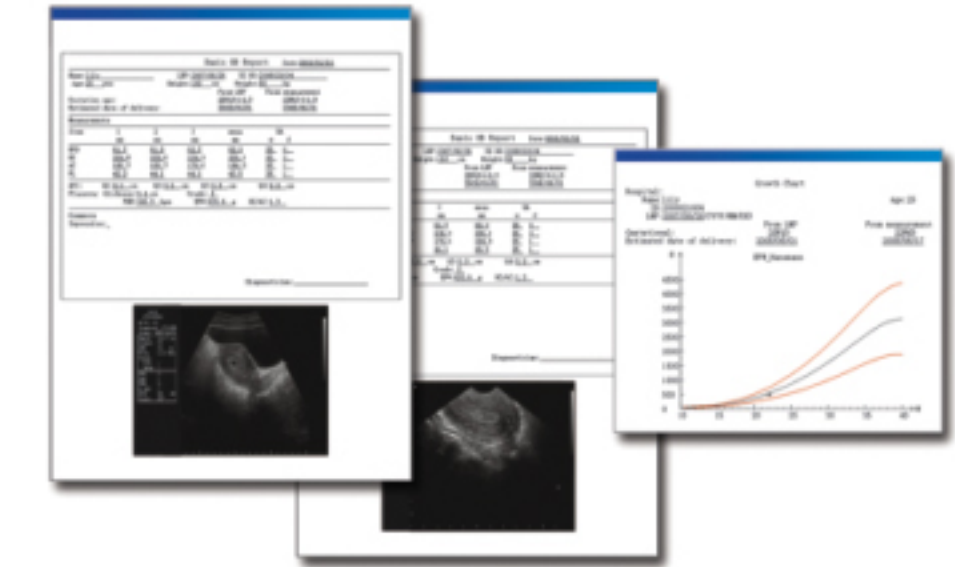
The CTS-5500 is a high-end digital ultrasound imaging system. It adopts high-density super-broadband five-frequency probes and digital imaging technologies, to achieve clear image quality. Powerful functions and configurations such as large capacity image storage, cineloop, USB ports, dual-probe connectors, 8-TGC, backlit silicon-gel keyboard and non-interlaced monitor are integrated in the system. The CTS-5500 is highly cost-effective and ideal for your smart choice.

Powerful System Functions

Unique High-Definition Zoom Function
When zooming the ROI, the user can double the acquired data, enabling higher tissue resolution and finer images.

X1.0, sampling point: 100 /cm²   X2.0, sampling point: 200 /cm²

PIP (Picture-in-Picture) Function
In frozen state, the user can zoom in any region of interest(ROI), while maintaining the original diagnostic image for reference, to observe the zoom-in part clearly, thus diagnostic efficiency is improved.

User-defined Function Key
The user can assign a frequently-used function (e.g. BPD) on a certain key (e.g. **F1**), so as to address doctors' preferential clinical demands.

Invertible Image Orientation
Images can be inverted not only up/down/left/right, but also 90° continuously. The doctors may observe images as they prefer, clear at a glance in clinical exchange.

Smart Tracing Function
When measuring area or circumference, if the trace is not good, press **Backspace** to return to the proper place and then continue tracing.

IP One-key Optimization
One key for eight-parameter adjustment, easy image optimization.

Perfect Document Management System

Storage Media
Hard disk, USB disk and DICOM.

Storage Formats
BMP, JPG, CIN and AVI.

Cineloop
Each file has up to 256 frames, play back speed adjustable.

Annotation
300 annotations for recall, user-defined annotations allowed.

Off-line Diagnostic Function
For off-line review and analysis of diagnostic process.

Auto Creation of Report
All the measurement results are entered in the report without inputting manually and an image and file report is created automatically.

Extensive Clinical Application and Abundant Software

The system has a wide range of clinical applications and analysis software for Abdomen,Urology, GYN, OB, Small parts, Peripheral vascular, Cardiology and Orthopedics.

OB: GA and EDD can be calculated automatically.
Up to 7 calculations for fetal weight
Fetal growth curves coming from 10 growthtables.
Fetal biophy profile
Dominant follicle monitoring software and triplet analysis software
OB equation setup specific to races, with more accurate diagnostic results
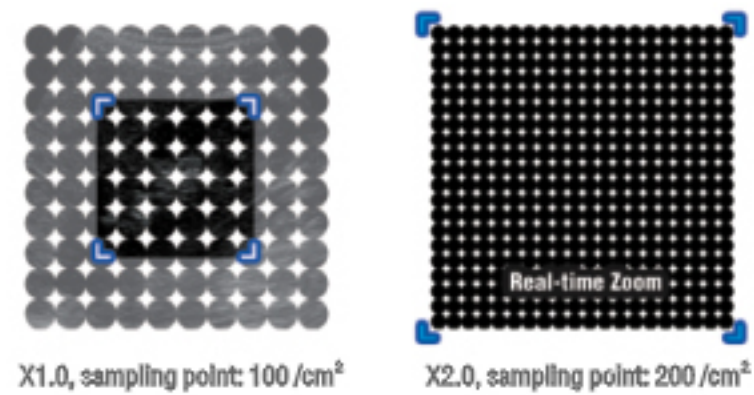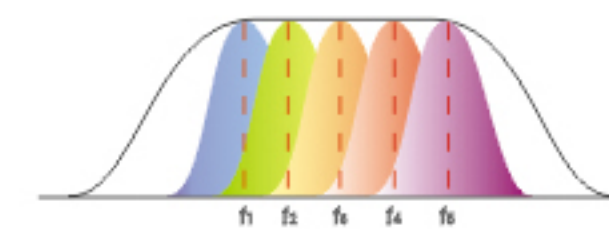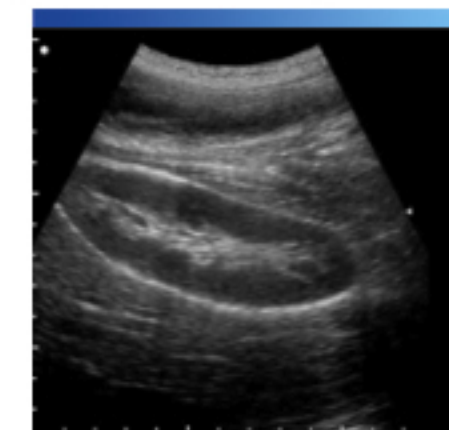
Urology: Software includes residual urine measurement, prostate specific antigen density (PSAD), etc.
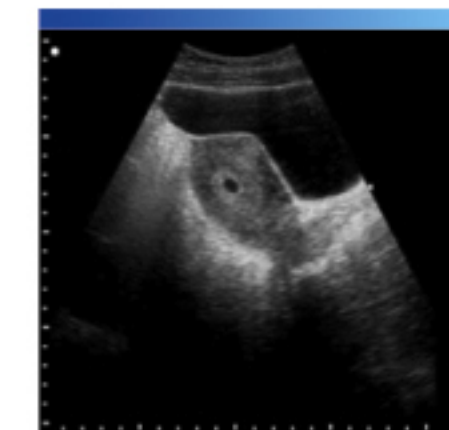
Orthopedics: hip joint measurement

High-Density Broadband Five-frequency Probes

The system is configured with high density broadband multi-frequency probes. Probe frequency can be switched quickly by pressing one console button only, enabling doctors to select the right frequency for specific diagnosis and patients. Image resolution and penetration is significantly optimized.
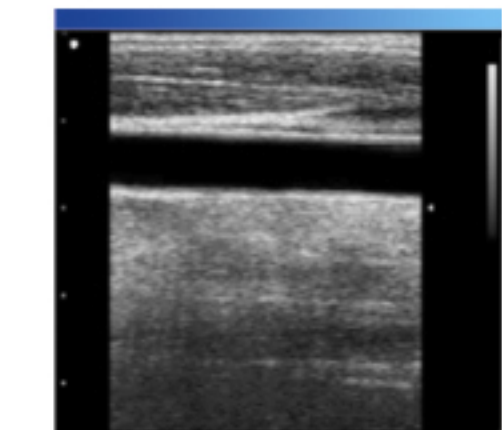
Kidney   Early Pregnancy   Uterus   Carotid