

# CTS-7700

Digital Ultrasound Imaging System

- Professional Application Software
- Digital Imaging Technology
- 3D Imaging Module
- Super Broadband Five-frequency Probes
- Powerful Document Management System

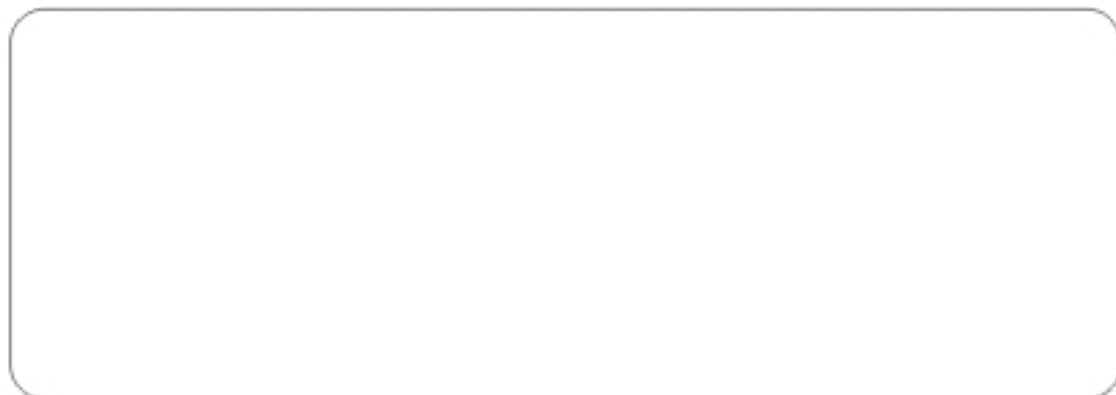
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# CTS-7700

## Full Digital Ultrasound Imaging System

The CTS-7700 is a high-end PC-based digital ultrasound imaging system, which is designed for diagnosis of liver, gallbladder, kidney, pancreas, thyroid, breast, uterus, bladder, ovary, etc. By integrating computer technology and advanced ultrasound technology, the CTS-7700 can make your diagnosis quick and accurate.



## Digital Gateway to the Future

### Continuing Upgrade, Leading Technology

As a fusion of highly industrialized PC and professional ultrasound module, the system is capable of extremely high computing speed and powerful signal processing, making high-end technology transplant and continuous upgrade simpler and more convenient. It provides not only quality images, but also powerful upgrade capability, ready to take in advanced technology anytime, enhance system performance and expand system functions to accommodate higher performance probes, so as to keep the system always in a leading technical position.

### Excellent Image Processing Technology

- Full Digital Beam Forming Technology (FDBF)
- Real-time Continuous Dynamic Focusing (RCDF)
- Real-time Dynamic Frequency Scanning (RDFS)
- Real-time Dynamic Aperture (RDA)
- Dynamic Real-time Apodization (DRA)
- High Density Beam-forming Scanning (HDBS)

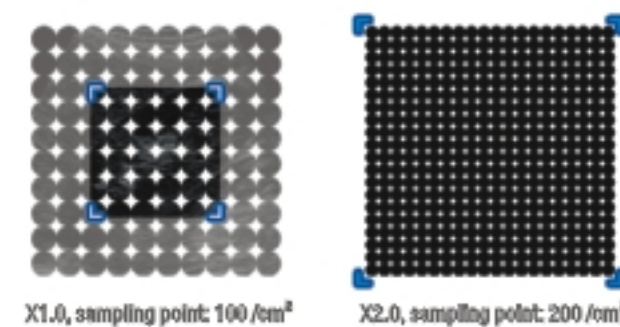


Accurate beam forming and signal processing, digital image acquisition and processing ensure images with clear-cut edge and no distortion.

### Ergonomic Settings

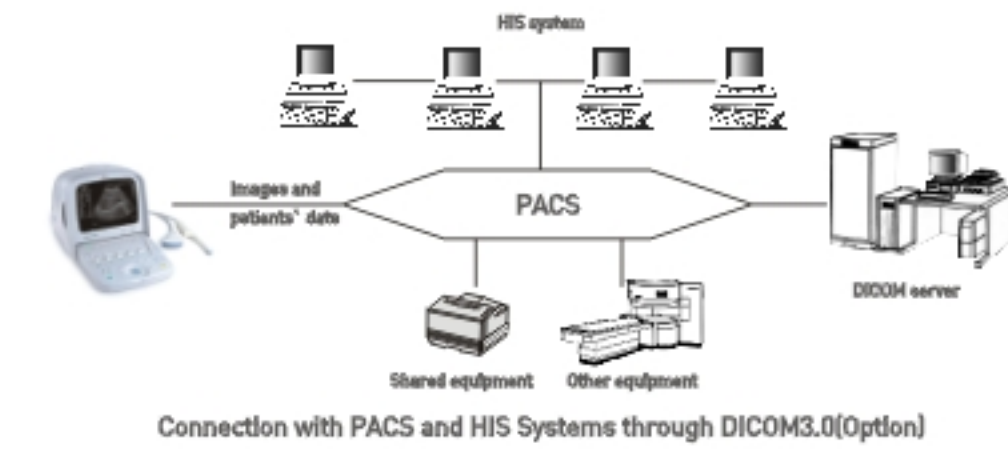
- PIP (Picture-in-Picture) Function
- IP One-key Optimization
- User-defined Function Keys
- Variable Image Orientation
- Smart Tracing Function
- Probe Auto Freeze Function
- Screen Saver Function

- Unique High-Definition Zoom Function



### Powerful Document Management System

- Large Capacity CineLoop
- Storage Media: Hard disk, USB disk
- Quick Image Storage and Recall
- DICOM Network Consultation Function
- Off-line Diagnostic Function



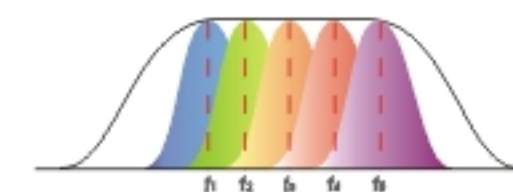
Connection with PACS and HIS Systems through DICOM3.0(Optional)

### Extensive Clinical Application and Abundant Software

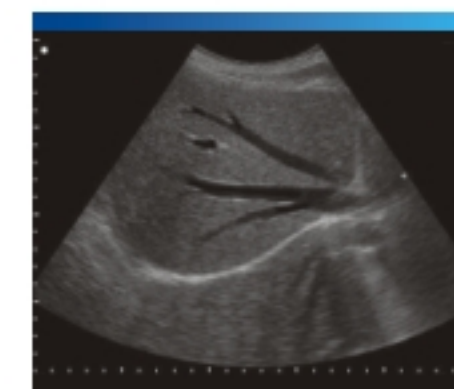
The CTS-7700 has a very wide range of clinical applications. Each application has complete analysis software, combining qualitative and quantitative, leading to more accurate diagnostic results.

- OB:** early pregnancy, complete OB, basic OB, fetal echo and multiple gestation  
More than 15 calculations for fetal weight  
OB equation setup specific to races, with more accurate diagnostic results  
Dominant follicle monitoring software and triplet analysis software  
Fetal growth curves coming from 8 equations  
Fetal biophy profile  
Four volume calculation methods: Ellipsoid, Biplane, Sphere and Simpson
- Abdominal:** liver, gallbladder, pancreas and spleen
- Urological:** kidney and prostate  
Software such as residual urine measurement, prostate specific antigen density (PSAD).
- Gynecological:** uterus, ovary
- Orthopedic:** hip joint measurement
- Small parts:** thyroid, breast, eyeball, testes and neonate
- Peripheral vascular:** carotid, peripheral artery and peripheral vein
- Cardiac:** adult cardiac, adult difficult cardiac and pediatric cardiac

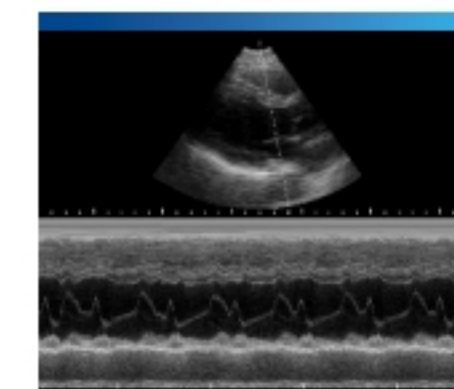
### High Density, Broadband, Five-frequency Probes



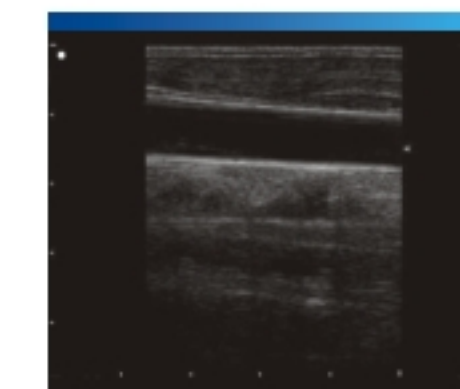
The system is configured with high density broadband multi-frequency probes. Probe frequency can be switched quickly by pressing one console button only, enabling doctors to select the right frequency for specific diagnosis and patients. Image resolution and penetration is significantly optimized.



Liver



Heart



Carotid



Thyroid