



CARDIOTECH CT-600

DIGITAL ULTRASONIC DIAGNOSTIC IMAGING SYSTEM

The CT-600 is an impressive new compact ultrasound system, providing superb value and the best quality across the entire range of applications, with enhanced support of PW imaging to meet the higher diagnostic requirements.

FEATURES

- Compact and lightweight design brings excellent mobility
- 12.1" folding high resolution TFT-LCD screen generates image quality
- Built-in battery ready for scanning 2 hours at point-of-care
- One touch image quality optimization by smart IP key
- Compatible Digital Beam Forming technologies achieve high quality imaging
- THI and TSI technology present sharp and clear imaging accordingly
- 256-frame cine loop memory
- 505MB built-in image storage
- Two USB ports

TECHNICAL SPECIFICATIONS

GENERAL

Imaging mode: 8,8+8,48, B+M,M
 Gray scales: 256
 Display: 10" non-interlaced
 Transducer frequency: 2.5 - 10MHz
 Transducer connector: 1 (standard) 2 (optional)
 Beam-forming: Digital Beam-forming
 Dynamic Receiving Focusing
 Real-time Dynamic Aperture
 Dynamic Frequency Scanning
 Dynamic Apodization
 Tissue Harmonic Imaging
 Tissue Specific Imaging
 Scanning angle: from 40 to 155 degree (depending on transducers)
 Scanning depth (mm): from 40 to 240 (depending on transducers)

IMAGING PROCESSING

Pre-processing: Dynamic range
 Edge enhancement
 Frame correlation
 Line correlation
 Smooth
 AGC
 4-segment TGC adjustment
 IP (Image Process)
 Post-processing: Gray map
 Gamma correction
 Rejection
 Left-right reverse
 Up-down reverse

FUNCTIONS

Cine loop: 128 frames bidirectional cine-loop
 Zoom: X1.0, X1.2, X1.3, X1.6, X2.0, X2.4, X3.0, X4.0 in real-time
 Storage media: Built-in Flash, External USB memory stick
 Storage: 128 frames permanent image
 Body mark: 80 types
 Transducer auto-detection
 16-segment acoustic power output adjust-

MEASUREMENT & CALCULATION

B-mode: distance, circumference, area, volume, angle, residual urine volume
 M-mode: distance, time, velocity, heart rate (2 cycles)
 Software packages: abdomen, gynecology, obstetrics, urology, small parts, cardiology
 Display:
 Date, Time, Probe Name, Probe Frequency, Frame Rate, Patient Name, Patient ID, Hospital Name, Measurement
 Values, Body Marks, Annotation, Probe Position, Full-image-region edit

OTHERS

Peripheral port: Video output 1
 VGA output port 1
 USB port 2
 DICOM3.0 1 (optional)
 Power supply: 100-240VAC \pm 10% 50Hz/60Hz
 Dimensions: 353mm(W) X 315mm(L) X 253mm(H)
 Net weight: 11.5Kg

STANDARD CONFIGURATIONS:

CT-600 main unit
 12.1" TFT-LCD monitor
 Two transducer connector
 258 frames cine loop memory
 504MB built-in image storage
 Two USB ports
 Measurement & calculation software packages
 Convex array transducer: C361-1 (2.5/3.5/5.0MHz)

OPTIONS

Linear array transducer: L741 (6/8/10MHz)
 Endorectal transducer: E741 (6/8/10MHz)
 Endovaginal transducer: E611-1 (5/6.5/8MHz)
 Micro-convex array transducer: C321-1 (2.5/3.5/5.0MHz)
 Convex array transducer: C341 (2.5/3.5/5.0MHz)

MULTI-FREQUENCY TRANSDUCERS

