



CARDIOTECH CT-30

DIGITAL ULTRASONIC DIAGNOSTIC IMAGING SYSTEM

Complete images solutions and economic price make CardioTech's CT-30 meet challenges in today's ultrasound market. With its full digital technology and high performance transducers, CT-30 provides the elegant images quality as an ideal portable working station. It will meet your daily diagnostic requirements, without any compromise in image quality, and at an economic price.

FEATURES

- 10" high resolution non-interlace monitor
- One transducer connector as standard
- 80 elements transducer
- 204-frame cine loop memory
- 128-frame built-in image storage
- Measurement & calculation software package
- 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 10, 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±10% 50Hz/60Hz
 Dimensions: 353mm(W) X 315mm(L) X 253mm(H)
 Net weight: 11.5Kg

STANDARD CONFIGURATIONS:

CT-30 main unit
 10" non-interlaced monitor
 One transducer connector
 128 frames cine loop memory
 128 frames 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

