Digital Ultrasonic Diagnostic Imaging System

Care for Health
## Technical Specifications

### General:
- Imaging mode: B, 2B, 4B, B+M, M
- Gray scales: 256
- Display: 16” non-interlaced
- Transducer frequency: 2.0-10.0 MHz
- 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: up to 132 degree (depending on transducers)
- Scanning depth (front): from 19 to 245 (depending on transducers)
- Applications: Obstetrics, Cardiology, Cardiac, Orthopedics

### Functions:
- Cine loop: 128 frames bidirectional cine-loop
- Zoom: X1.0, X1.2, X1.4, X1.6, X2.0, X2.4, X3.0, X4.0 in distance
- Storage media: Built-in Flash, External USB-Memory stick
- Storage: 56 MB permanent image
- Body mark: >130 types
- Transducer auto-detection
- 16 segment acoustic power output adjustment

### Measurement & Calculation:
- B-mode: distance, circumference, area, volume, angle, ratio, sclerosis
- M-mode: distance, time, heart rate (2 cycles), slope
- Software packages: General, gynecology, obstetrics, urology, small parts, cardiology, orthopedics

### Display:
- Date, Time, Probe Name, Probe Frequency, Frame Rate, Patient Name, Patient ID, Hospital Name, Measurement Values, Body Marks, Anesthetics, Probe Position, Full-image region edit

### Others:
- Peripheral port: Video output X1, VGA output port X1, USB port X2 (1 host, 1 device)
- DICOM 3.0
- Power supply: 100-240V ~ 50/60Hz
- Dimensions: 386mm (W) x 320mm (H) x 273mm (H)
- Net weight: 12 kg

### Standard Configurations:
- D3 main unit
- 16” non-interlaced monitor
- One transducer connector
- 128 frames cine loop memory
- 56MB built-in image storage
- Two USB ports (1 host, 1 device)
- Measurement & calculation software packages
- Convex array transducer: C361-1 (2.0/3.0/4.0/5.0/6.0 MHz)
- One cable holder

### Options:
- Linear array transducer: L741 (6.0/7.0/8.0/9.0/10.0 MHz)
- Endocavitary transducer: E741 (6.0/7.0/8.0/9.0/10.0 MHz)
- Endovaginal transducer: E511-1 (4.0/5.0/6.0 MHz)
- Convex array transducer: C341 (2.0/3.0/4.0/5.0/6.0 MHz)
- Micro-convex array transducer: C321-1 (4.0/5.0/6.0 MHz)
- Two transducer connectors
- Video printer
- Laser printer
- Injekt printer
- Biopsy guide
- DICOM 3.0
- Footswitch
- Mobile trolley
- Hand-carried bag

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