



BENQ MEDICAL TECHNOLOGY CORP

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Name: Digital Tablet Color Doppler Ultrasound System

Brand: BenQ

Model: T3300v

Specifications:

A. System Feature:

1. 13.3" Flat panel wide view angle LCD display, 1920x1080 pixels High Resolution. Weight of 2.7 kg (with battery).
2. 1 transducer connector.
3. All-digital broadband beamformer, 51,200 digitally-processed channels.
4. 256 level (8bits) gray level image display.
5. Cineloop image review, Support dual imaging view.
6. Transducer with multi frequency broadband imaging technology, Up to 10 focal zones on selected transducers.
7. Tablet style design, with Multi-touch support, one finger gesture to adjust gain and depth.
8. Clinical applications include: Abdomen, Cardiology, Gynecology, Obstetric, Urology, Small Parts, Musculoskeletal, and Vascular.
9. Depth to 36 cm (Max) (transducer dependent).
10. 100 levels Dynamic Range adjustment.
11. Frame rate (max.): 300 frames/sec
12. Fully-integrated image management system thumbnail image and cineloop review. Including capture, playback, editing patient image data. Support 128 GB SSD (Solid-state drive) hard drive space. Support 2 USB ports. Support SD card slot. Support Bluetooth.
13. Direct digital storage of single frame and cineloop with color and B/W images to internal hard disk and USB flash. Data storage formats ability to export that includes MP4 and JPG to USB flash for PC viewing.
14. Imaging modes:
 - (1) 2D/M-mode
 - (2) Color Doppler Mode
 - (3) Power Doppler Mode / Directional Power Doppler Mode
 - (4) Pulsed wave (PW) Doppler Mode
 - (5) Continuous wave (CW) Doppler Mode
 - (6) Dual image mode
 - (7) Duplex mode: 2D/M Mode and 2D/Doppler
 - (8) Triplex mode: 2D/Color Doppler or Power Doppler / PW
 - (9) Zooming image with two fingers.



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- (10) Tissue Harmonic Imaging (THI)
- (11) Trapezoidal Imaging Up to 15 degrees FOV.
- (12) SQBeam Real-time compounding imaging.
- (13) FQBeam Real-time compounding imaging
- (14) Q-scan imaging for speckle reduction and contrast enhancement
15. Support DICOM 3.0 Print and Store and Modality Worklist, able to connect with RJ-45 cable or Wifi (IEEE802.11 b/g/n).
16. One key optimized function.
17. Operation System: Android 4.4, support fast boot up within 30 seconds, back from standby mode only needs 1 second, and shutdown less than 3 seconds.
18. Able to continuously operate 1.5 hours when the battery is fully charged.
19. Methods for intima media thickness (IMT) measurement
20. Enhanced Needle Visualization (ENV)

B. Transducers:

1. C62B Convex array transducer with multi-frequency wideband technology x 1
 - (1) Transducer with wideband and electronic focusing technology, Digital broadband beamformer.
 - (2) Frequency Range: 2~6 MHz
2. L154BH Linear array transducer with multi frequency wideband technology x 1
 - (1) Transducer with wideband and electronic focusing technology, Digital broadband beamformer.
 - (2) Frequency Range: 4~15 MHz
3. C83B Phased array transducer with multi frequency wideband technology x 1
 - (1) Transducer with wideband and electronic focusing technology, Digital broadband beamformer.
 - (2) Frequency Range: 3~8 MHz.
4. P83B6 Phased array transducer with multi frequency wideband technology x 1
 - (1) Transducer with wideband and electronic focusing technology, Digital broadband beamformer.
 - (2) Frequency Range: 3~8 MHz.