



## Main Technical Specifications of UBox-8



### Instructions:

UBox-8 Ultrasound Box is easy to use, only need to connect it to computer by USB cable and install the software in the computer. Then can realize the function as a computer based ultrasound B Scanner.

The keyboard is use the computer keyboard, by software you can define your own computer keyboard keys to a certain function button. Such as the "Space" key can be defined as "Freeze" button, the "+" and "-" can set to value increase and decrease, all by your define.

### Feature:

- Full digital imaging technology
- Crystal-clear Image
- Computer platforms, Abundant functions
- Powerful image and report management
- DICOM 3.0 interface supports display and transfer in DICOM format
- Large volume Storage and cine loop
- Broadband Multi-frequency probes
- Complete application software packages
- 2 probe connector
- Compatible with laser/inkjet printers
- 3D Image Function(optional)

### Specification:

- D-Maximum Scanning Depth: 250mm
- Multi-frequency: 5 segment frequencies
- Zoom: 10 ratio, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0
- Image gray scale: 256 level gray scale
- Cine Loop: 64 or 128, 256, 512, 1024 frames, set by user



- Scanning mode: B, 2B, B/M, M, 4B, ZOOM(Real-time Zoom on B mode)
- Image processing: Pre-processing, after-processing, dynamic range, frame rate, line average, edge; enhancement, Black/White inversion; Gray scale adjustment, contrast, brightness, γ revision
- Gain: gain: adjustable between 0-100dB
- Monitor: 10 inch high definition LCD screen
- Supported output apparatus: U-Disk, Laser/ink printer, video printer, VGA
- Measurement and calculation(human):
  - B mode: distance, circumference, area, volume, angle, ratio, stenosis, profile, histogram;
  - M mode: heart rate, time, distance, slope and stenosis;
  - Gynecology measurement: Uterus, cervix, endometrial, L/R ovary;
  - Obstetric: gestation age, fetal weight, AFI;
  - Cardiology: LV, LV function, LVPW, RVAWT;
  - Urology: transition zone volume, bladder volume, RUV, prostate, kidney;
  - Small parts: optic, thyroid, jaw and face.
- Operation system: windows XP
- Ultrasound report software: edit and print standard ultrasound report
- DICOM3.0, medical digital imaging and communication
- Probe Connector: 2
- Weight: Around 2kg
- Dimension: 240×160×120mm

**Standard:**

Ultrasound Box, USB connect cable, Convex probe(R60, 3.5MHz), other accessories.

**Optional:**

- Probes: Linear(L40, 7.5MHz), Micro-convex(R20, 3MHz), Trans-vaginal (R7/10/13, 6.5MHz)
- 3D ultrasound software package
- Computer
- USB laser or ink printer

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