

■ BW8B

Ultrasound Scanner



Application Scope

This device is applicable for the diagnosis of the organs such as liver, gall-bladder, kidney, spleen, pancreas, heart, thyroid gland, breast, uterus, bladder, ovary, etc. It has been widely used in examining abdomen, obstetrics, urology, cardiology, gynecology, small parts, etc in hospital at all level.

Features

- Super-slim streamline compact design with fold-up keyboard and 10.4" LCD Display;
- Backlight silicon rubber keyboard for more convenient operation.
- Dual power supply systems: via adapter, lithium rechargeable battery, or powered by onboard storage battery;
- Extensive software packages installed including Abdomen, OB, GYN, Urology, Cardiology, Small parts etc.
- Dual probe connectors. Two types of probes could be connected simultaneously with the device; the unit will recognize the type of the probes connected automatically. Probe Lock effectively prevents the probes from disconnecting from the unit.
- Advanced new technology applied in this device like dynamic focusing, dynamic logarithm compress, alterable aperture, interpolation, Digital Scanning Converter (DSC), Gamma Correction, preprocessing and post-processing
- Report pages generated automatically for each application, helpful for future reference or study for both doctors and patients.
- Up to 3-6 obstetric measurement formula available or the user could define it by himself for specific clinical requirements according to his practical experience and actual conditions locally.
- Cineloop: Hundreds of frames so that the user may select the desired images during its playback.
- Permanent image storage: Dozens of images could be permanently stored so that typical diseases could be gathered for further study in the future.
- Laser printer and/or video graphic printers applicable to print out images and relevant reports. One more choice available for the user and the investment is reduced by selecting laser printer.
- USB ports available to easily transfer the image or relevant data to computers or internet via USB flash disk.
- Software to upgrade with USB flash disk.
- Biopsy acupuncture functions specially designed for interventional purpose
- Freeze or defreeze the images by pressing down footswitch.

Technical Specifications

- **Probe Connector** : 2
- **Probe Type** : 2.0-10.0 MHz convex, linear, transvaginal, micro-convex array probe;
- **Display Mode** : B, B/B, B/M, M
- **Monitor** : 10.4" LCD
- **Gray Scales** : 256
- **Body Marks** : 38
- **Max. Scanning Depth** : 250mm
- **Image Processing** : Pre-processing(Frame Correlation, Line Correlation), Post-processing (Interpolation, 8- γ Correction, Edge enhancement), Histogram, Image Left/Right Conversion, Up/Down Conversion, Black/White Conversion, Image Depth Scroll, etc.
- **Image Storage** : Dozens of image permanent storage, USB flash disk connectible
- **TGC**: 6-segment TGC and Overall Gain
- **Zoom**: Partial zoom and picture in picture display
- **Measurement**: Distance, Area/perimeter, Volume (ellipse method), Angle, Heart rate, Time, EF slope, Fetal age, Weight and EDCB
- **Software Packages**:
 - Obstetrics : GS, CRL, BPD, HC, AC, FL, and LMP measure EDD etc;
 - Gynecology : Uterus, Left/Right ovary, Endometrial thickness;
 - Urology : Bladder, Left/ Right kidney, Prostate;
 - Cardiology : Left/Right ventricle, Left atrium, Mitral valve, Pulmonary valve; Report generated automatically
- **Standard Configuration**: Main unit (1pc), Electronic convex array probe (1pc)
- **Optional Parts**: Electronic convex transvaginal probe, Electronic linear probe, Micro-convex probe, Biopsy acupuncture, Video printer, Laser printer, Footswitch, Trolley
- **Dimension**: 287 mm(W) × 243 mm(H) × 216mm(D)
- **Weight**: Approx .4 Kg



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