

BW8K

Full Digital Ultrasound Diagnostic Imaging System



Features

- Advanced digital beam-forming technology
- Built-in high-speed MPU
- Real-time dynamic aperture beam-forming
- Real-time dynamic apodization
- Real-time point-by-point dynamic receiving focusing
- Numerical control dynamic frequency scanning
- Time and Dimensional filtration
- 128 Frame continuous image storage
- 6-segment TGC sliders for easy adjustment to get the ideal quality images throughout all field.
- Powerful software packages: Abdomen, OB,GYN, Urology,Cardiac, small parts,etc.
- USB-port for saving and transferring images easily and quickly and software upgrade, USB printer connector.
- Internet port, long-range transfer, long-range software update
- Silicon Rubber Keyboard with background light for higher visibility in dark room.
- Cineloop: up to 128 frames so that the user may select the desired images during its playback.
- Memory Capacity: 512×512×8 bit
- Report Templates:
Normal, OB,GYN,Urology, Cardiac Reports.

Technical Specification

- **Scan Mode:** Electronic Convex, Linear, microconvex.
- **Display Mode:** B; B/B; 4B; B/M; M
- **Scan Depth:** Max. 240mm (Depends on probe type)
- **Probe Frequency:** 2.5-10Mhz
- **Gray Scale:** 256 levels
- **Focus:** 16 emission focusing points. Max.4 focusing points selected simultaneously
- **Channels:** 32
- **Zoom:** Intelligent 4-step: 1.0, 1.2, 1.5, 2.0



● Software Packages:

General Software Package for Abdomen, OB/GYN, Small Parts, Cardiology, Urology, etc.

Special Cardiology Package: Time, Velocity, Heart Rate, LV, Mitral Valve, Aortic Valve, Cardiac Output, SV, EF,FS, MVCF,etc.

Special Fetal Growth Analysis Software Package: LMP, Fetal Growth Curve, Fetal Weight,etc.

● Measurement:

B Mode: Distance, Circumstance, Area, Volume, Ratio, %stenosis, Area% stenosis, Residual, Angle, Histogram, Profile, etc.

M Mode: Distance, Time, Velocity (Speed),Heart Rate, etc.
EDD table: GS,CRL,BPD,FL,HC,AC EFW EDD available (User-defined table available)

Various Measurement for Left Ventricle

● **Depth Scroll:** Visible Depth scrollable by moving Trackball

● Image Processing:

Pre-processing: IP selection, dynamic range transformation, edge enhancement, smoothness, frame averaging, scanning angle selection,etc.

Post-processing: 8-step Gamma correction, Gray Transformation, Gray Rejection, etc,Up/Down Reversal, Left/Right Reversal,Polarity Conversion

● **Documentation:** Full screen documentation, hospital name, Patient ID, Date/Time, etc.

Annotatin database available, pre-saved phrases recallable.

● **Monitor:** 14" high-resution SVGA monitor

● **Power Input:** <150VA

● **Net Weight:** 45KGS

● **Dimension:** 750mm(L)×520mm(W)×1260mm(H)

● Standard Configuration:

Main Unit;
14" high-resolution SVGA monitor
2.5/3.5/4.0/5.0MHz convex array probe;
Ultrasound Gel;
Power Cord;
Operation Manual

We reserve the right to make changes to this catalogue without prior notice