

Black and White



Mobile Doppler Ultrasound

Made by Grand
Medical Group



HB-200Pro

**15 inch PC platform full-digital Black and White
Mobile Ultrasound Machine**

160° adjustment, more than 12 inspection modes, one click full screen

Technical data

- 1 Main application: abdominal, OB&GYN, urology, superficial organ etc.
- 2 Features
 - 2.1 High-precision Full-digital imaging technology
real and delicate display of organ structures
multiple display modes for multi-angle and multi-directional contrast observation
large-capacity cine loop and permanent image and video storage
 - 2.2 Stable and efficient Windows platform, powerful expansion, easy for system upgrade and fast maintenance
 - 2.3 ≥ 128 G SSD, fast data storage
 - 2.4 DICOM function ready to connect to hospital system for real-time data transmission and reception
 - 2.5 With Ultra ISO system recover disk, able to backup at any time
 - 2.6 Operation panel and display buttons can realize functional operation, to reduce adjustment time
- 3 Performance
 - 3.1 Display: 15 inch LED medical monitor
 - 3.2 Scanning ways : convex/linear/micro-convex
 - 3.3 Probe connectors: ≥ 3 active. Automatic recognition, and support more than 6 types of probe
 - 3.4 Language: CN/EN/RU (optional)
 - 3.5 Display mode: B, B+B, 4B, B+M, M, PW
 - 3.6 Body mark: 105 kinds
 - 3.7 Regular frequency:
convex: 3.5MHz, 4.0MHz, 4.3MHz, 5.0MHz
Trans-vaginal: 5.0MHz, 6.0MHz, 7.0MHz, 8.0MHz
Linear: 7.5MHz, 8.6MHz, 10MHz, 12MHz
Micro-convex: 5.5MHz, 6.0MHz, 6.7MHz, 7.5MHz
THI on frequency:
Convex: H4.0MHz, H4.3MHz, H4.4MHz, H4.6MHz
Trans-vaginal: 5.0MHz, 6.0MHz, 7.0MHz, 8.0MHz
Linear: H8.0MHz, H8.6MHz, H9.2MHz, H10MHz
Micro-convex: H5.5MHz, H5.7MHz, H6.0MHz, H6.5MHz
 - 3.8 Scanning range adjustable:
linear: 79-100%
Convex: 46-60%
Micro-convex: 68-90%
 - 3.9 Measurement: Distance, Perimeter, area, volume, heart rate, as well as professional software measurement package
 - 3.10 Different probes are available in multiple inspection modes
 - 3.11 One-key full screen function
 - 3.12 A variety of obstetric measurement data packets, one-key transfer of the obstetrics table for data comparison
 - 3.13 Obstetric measurement data recorded, and generate report automatically
 - 3.14 Automatic freeze function, standby time can be set
 - 3.15 One-key call for case information
 - 3.16 Cine loop: ≥ 1500 frames
 - 3.17 Storage methods: built-in solid state disk, flash disk storage (storable and readable)
 - 3.18 Single image storage time ≤ 1 second
 - 3.19 Cine loop storable and readable
 - 3.20 Dynamic range: 64-192
 - 3.21 Image storage preview in real time, easy to delete and share etc.
 - 3.22 Gain control: 2-100
 - 3.23 Puncture guide, depth follows cursor in real time
 - 3.24 Pseudo color: 8
 - 3.25 Frame correlation: 1-7, with independent button, visible and adjustable
 - 3.26 Line correlation: 1-5, with independent button, visible and adjustable
 - 3.27 Line density: 2, with independent button, visible and adjustable
 - 3.28 THI: 2 levels, with independent button, visible and adjustable
 - 3.29 Depth:
Convex: 90-250mm
Micro-convex: 70-145mm
Linear: 0-90mm
Trans-vaginal: 50-125mm
 - 3.30 Ports: HDMI, DICOM, USB
 - 3.31 Partial magnification: 4 times, 30 levels adjustable
 - 3.32 Able to connect ink/laser printer to print report directly
 - 3.33 Built-in input method, full screen annotation
 - 3.34 Multiple report modes: with 1 or 2 or 4 or 6 images for choice
 - 3.35 Quickly set time, name etc. with the trackball and keyboard

Overview

1. The adjustment range of 160" for 15-inch HD medical LCD monitor.
2. Advanced harmonic imaging technology to obtain more complete harmonic signals on the basis of fundamental waves and improve image quality.
3. More than 12 inspection modes are not only optimized in advance of parameter combination, but also measurement software packages and related reports.
4. Efficient graphic management system, sharing, editing, printing, etc.
5. One-click full screen

Performance

Power Doppler

This Doppler shift falls in the audible range and is often presented audibly using stereo speakers: this produces a very distinctive, although synthetic, pulsating sound.

One-key calls for case information and entry

THI (Tissue Harmonic Imaging) technology

Suppress speckle noise, brighten image and improve the image quality, 2 levels harmonic wave, with

independent buttons, invisible and adjustable cyclically

Rich clinical measurement package
Measurement units can be switched between cm and mm

It has a variety of obstetric measurement data such as double top diameter, head and hip diameter, head circumference and abdominal circumference, including yolk sac, neck transparent layer, eyelid internal and external distance, lateral ventricle, humerus length and foot length

Fetal age comparison table, fetal development curve, fetal physiological score and other functions