

C8CC2019/A0



Size:  
300mm (长) × 340mm (高) × 127mm (厚)



## C8

Portable Color  
Doppler Ultrasound  
Diagnostic System

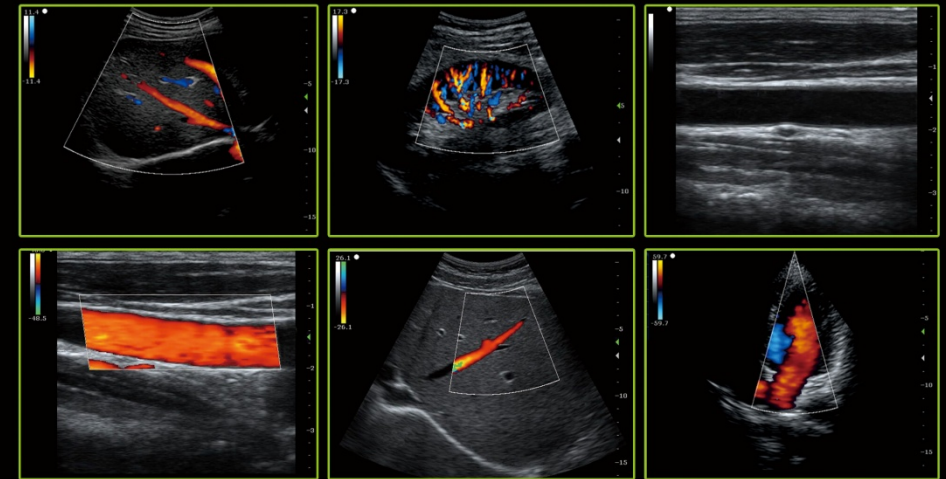


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### Standard Configuration

- 1) Main Unit
- 2) Convex Probe
- 3) Linear Probe

### Optional Accessories

- 1) Phased Array Probe
- 2) Transvaginal Probe
- 3) Microconvex Probe
- 4) Trolley
- 5) Printer
- 6) External graphic workstation

## Specifications

### System Imaging Function:

- 1) Color Doppler Enhancement Technology
- 2) Two-dimensional grayscale imaging
- 3) Power Doppler imaging
- 4) PHI pulse inverse phase tissue harmonic imaging + frequency composite technique
- 5) With the working mode of spatial composite imaging
- 6) Linear array probe independent deflection imaging technique

### Measurement and analysis:

- 1) General measurement: Including distance, area, circumference, volume, area ratio, distance ratio, Angle, S/D velocity, time, heart rate, acceleration, etc
- 2) Obstetrics: Obstetrics supports the measurement of fetal data  $\geq 3$  fetals, including fetal weight algorithm, growth curve display, fetal echocardiography measurement (including left ventricular function measurement, left ventricular myocardial weight, etc.); Fetal measurement OB1, OB2, OB3)
- 3) Blood flow measurement, sampling volume at least 8 levels adjustable
- 4) Automatic measurement of endovascular media
- 5) All measurement data Windows are removable
- 6) Customized comments: Include insert, edit, save, etc

● **Input/output signal:** input: Mquipped with digital signal interface. Output: VGA, s-video, USB, audio interface, network interface.

● **Connectivity:** Medical digital imaging and communications DICOM3.0 interface components.

● **Support network real-time transmission:** can real-time transmission of user data to the server.

● **Image management and recording device:** 500G hard disk

● **Ultrasonic image archiving and medical record management function:** complete the storage management and playback storage of patient static image and dynamic image in the host computer

### General system function:

- 1) PC Platform
- 2) Color monitor: 12.1" high resolution color LCD monitor
- 3) Probe interface: zero force metal body connector, effectively activated two mutual common interfaces
- 4) Dual power supply system, built-in large capacity lithium battery, battery power 2 hours duration, and the screen provides power display information
- 5) Net Weight: 4.5kg
- 6) Support quick switch function, cold start 39 seconds.
- 7) Main interface miniatures
- 8) Full-screen Chinese and English annotation input, Chinese input method 2 kinds, including wubi input method
- 9) Built-in patient data management station
- 10) Customized comments: include insert, edit, save, etc

- 8) Linear trapezoidal spread imaging
- 10) B/Color/PW trisynchronous technology
- 12) Multibeam parallel processing
- 7) Speckle noise suppression technology
- 9) Convex expansion imaging
- 11) B-mode image enhancement technique
- 13) Logiqlview

### Probe Specifications:

- 1) 2.0-10MHz V-variable frequency, frequency range 2.0-10MHz
- 2) Optional Probes: Convex, Linear, Transvaginal, Phased Array, Microconvex
- 3) 5 kinds of frequencies of each probe, variable fundamental and harmonic frequency
- 4) Abdomen: 2.5-6.0MHz

### Main parameters of two-dimensional grayscale imaging:

- 1) Imaging modes including: B Mode, 2B Mode, 4B Mode, M Mode, Color(Color Doppler) Mode, PDI(Power Doppler) Mode, PW Mode, CW Mode, Dissection M, B+C+PW three modes, B+PDI+PW three modes, support single window display, double window real-time display, four windows display
- 2) Imaging speed: the maximum frame speed is 80 frames per second
- 4) Real-time amplification (unlimited) and freeze amplification (3 times)
- 6) Receiving mode: parallel processing of multi-beam signals
- 8) Scanning Depth (mm)  $\geq 351$ mm
- 10) Sound beamformer: digital sound beamformer, digital full-range dynamic focusing, digital dynamic variable aperture and dynamic trace, and focus position can be adjusted in the whole imaging area
- 11) Playback: image playback for 48 seconds (Phased Array B mode)
- 12) False color 7 kinds of color
- 13) Preset conditions: for different inspection organs, preset the optimal image inspection conditions, reduce the adjustment during operation, and commonly required external adjustment and combination adjustment
- 14) segment adjustment for 8 segments
- 15) Sector Scan Angle: 4 grades adjustabl
- 16) TEI Index
- 17) 2D Modes(B) Phased Array: maximum:  $\geq 6898$  frames, Color, PDI maximum:  $\geq 4050$  frames.

### Spectral Doppler technique requirements:

- 1) Transmission Mode: pulse wave doppler PW, continuous wave doppler CW
- 2) PW testing range 0~7.5m/s
- 3) Doppler Frequency: PW frequency
- 4) Maximum measured velocity: positive or reverse flow velocity of 7.5m/s
- 5) Doppler Automatic envelope measurement and calculation
- 6) SV sampling width and location range : width 1~8mm
- 7) Display Control: reverse display (left/right; Up/down)
- 8) PW Real-time automatic measurement function
- 8) Scaleplate  $\geq 16$  grades; PRF 0.7kHz-9.3kHz adjustable
- 10) Playback: automatic playback of movies

### Color Doppler technique requirements:

- 1) The doppler gain is continuously adjustable
- 2) Color enhancement
- 3) B+COLOR display on both left and right sides of the same screen
- 4) Color mode baseline adjustment  $\pm 15$  grades

### Rich data interface for data analysis:

- 1) VGA interface
- 2) Printing interface
- 3) Network interface
- 4) SVIDEO interface
- 5) Foot switch interface