

Color Trolley Doppler Ultrasound



Scanner (Basic 4D mode)

Made by Grand
Medical Group



GC-F3

17 inch LED Medicinal Monitor

Support: Chinese/English/Spanish/French/Portuguese/Russian/Arabic/Vietnamese

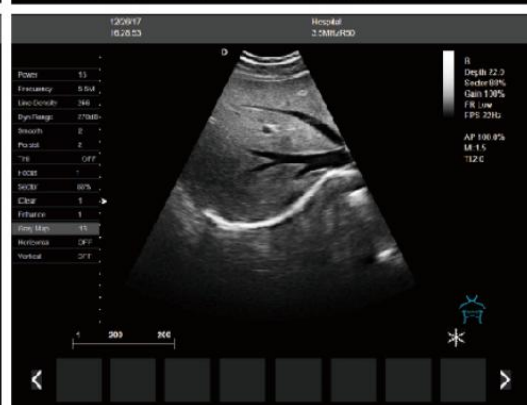
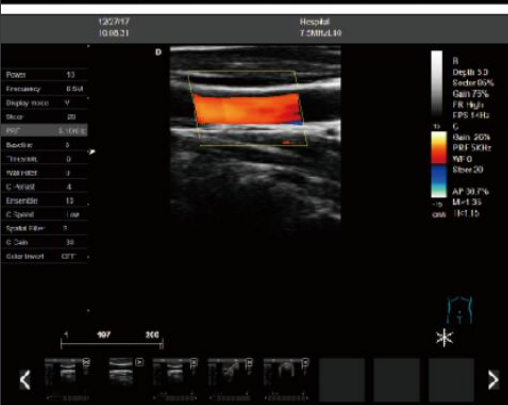
New Intelligent speckle noise suppression imaging technology

Ultra-wide band nonlinear contrast imaging High-quality real time 4D technology

Echo enhancement technology, high performance optimization, provides more realistic images.

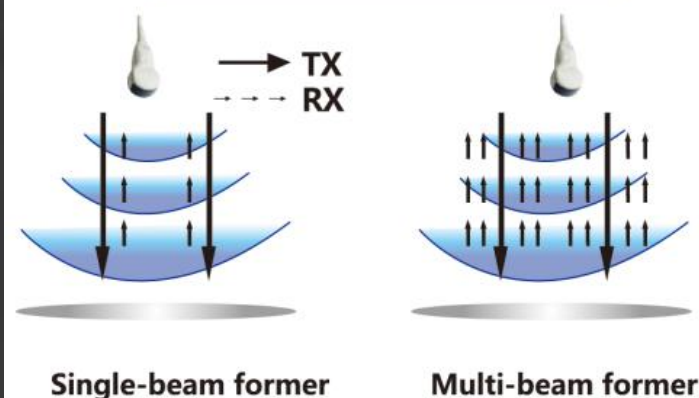
Excellent temporal special noise reduction technology to improve the penetrating power of difficult patients.

Advanced spectrum real-time envelope measurement



Excellent Imaging Technology

Multi-beam Former Technology



- * Enhance signal processing speed
- * Enhance time resolution
- * Improve spatial resolution

Various Probes

- Convex probe
- Trans-vaginal probe
- Linear probe, Phased array probe
- Micro-convex probe
- Trans-rectal probe
- 4D volume probe

Technical Specification

Based on Windows 7 platform, equipped with SSD (Solid State Disk), makes the storage safer and more reliable, easy for switching machine.

- 1、Monitor: 17 inch LED medicinal monitor
- 2、Scanning mode: convex array/linear array/micro-convex array
- 3、Probe interface: ≥ 3 active probe interfaces, probe automatic identification.
Support: convex, linear, trans-vaginal, micro-convex, 4D volume, rectal probes etc.
- 4、Language: Chinese/English/Spanish/French/Russian/Arabic/Vietnamese/Portuguese
- 5、Display mode: B mode (B, B+B, 4B, B+M, M), C mode, PW mode, real time 3D mode (4D), B/C, B/C/PW, B/PW: 4 scanning speed adjustable
- 6、Electronic focus: 4
- 7、Body mark: ≥ 57
- 8、Frequency: 2.0-12.0MHz multi-frequency (2.0MHz, 3.0MHz, 3.5MHz, 4.0MHz, 5.5MHz, 5.0MHz, 6.5MHz, 9.0MHz, 6.0MHz, 7.5MHz, 12.0MHz as per probe).
Convex probe frequency range: 2.0, 3.0, 3.5, 4.0, 5.5MHz
Trans-vaginal probe frequency range: 5.0, 6.0, 6.5, 7.5, 9.0MHz
Linear probe frequency range: 6.0, 6.5, 7.5, 10.0, 12.0MHz
Micro-convex probe R20 frequency range: 5.0, 6.0, 6.5, 7.5, 9.0MHz
Micro-convex probe R11 frequency range: 2.0, 3.0, 3.5, 4.0, 5.5, 6.5, 7.5, 10.0MHz
- 9、Image processing: up/down, left/right, angle, blood flow reversal
- 10、Magnification: 2-10 times magnification



- 11、 Automatic freeze function: effective protection of probe life without any operation
- 12、 Alternative image storage method: UI storage and image storage only
- 13、 Cine loop speed, visible and adjustable
- 14、 Measurement: distance, circumference, area, volume, heart rate, tube diameter, narrow rate, angle, speed, abdomen, cardiac, general, musculoskeletal, early obstetric, middle and late obstetric, pelvic(uterus accessory), small organ, urology, peripheral, gestational week and EDD, fetal weight, etc, formula can be converted to edit in obstetric measurement. The distance, circumference and volume measurement of 3D mode.
- 15、 Note: date, clock, name, gender, age, doctor, hospital, note (full screen character editing)
- 16、 Cine loop≥1200 frames, can be viewed continuously or by frame
- 17、 Storage: in the storage display interface can be sent to directly to the mobile device, image storage path (can be stored directly to the U disk and other external storage devices), probe parameter storage, cine loop storage, measurement results storage, report storage.
- 18、 Gray Scale: 256
- 19、 With puncture guide function, puncture line position can be adjusted
- 20、 With gravel positioning, dynamic target tracking function.
- 21、 Dynamic range: 0-270dB
- 22、 Intelligent TGC: 8 segments
- 23、 Pre-processing: variable aperture, dynamic apodization, dynamic digital filtering, multi-beam parallel processing technology, THI etc.
- 24、 Post-processing:
Dynamic range 0-270dB,
black and white afterglow 0-7
Smoothing 0-7
Gray curve 1-16
Frame correlation
SHG (Second Harmonic Generation)
Sound power
Wall filter
Cumulative number, baseline adjustment, sampling frame adjustment, spectrum sampling volume, spectral sampling volume angle, PRF, etc.
- 25、 Blind zone: ≤4
- 26、 Max scanning depth: 320mm;
- 27、 Geometric accuracy: horizontal≤5%, vertical≤5%
- 28、 Resolution: lateral≤2mm, axial≤1mm
- 29、 External interface: VIDEO, USB port *4, DICOM 3.0
- 30、 Magnification: 16 kinds; disease diagnosis more accurate
- 31、 Frame rate: 5-1016fps (adjustable as per requirement)
- 32、 Scanning range: 5%--100%
- 33、 Gain control: Total gain 0~127dB, PW gain 0-15, CFM gain: 0-15
- 34、 Image optimization: 6 level adjustable
- 35、 Smoothing: 8 level adjustable
- 36、 Edge enhancement: 8 level adjustable
- 37、 PRF: 16 level adjustable (1.82-29.43KHz)
- 38、 Gray level curve: 16 level adjustable
- 39、 Sound power: 15 level adjustable
- 40、 Net weight: 6.3kg; Gross weight: 16kg;
- 41、 Machine size: 375x350x80mm (LxWxH) ;
- 42、 Packing size:
Main unit: 85*65*130cm, GW:63kg
Monitor: 48*44*27cm, GW: 6kg

