



Forever Medical

## YJ-U80TPLUS Trolley Color Doppler Ultrasound Machine 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:  $\geq 3$  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,



Email:[judy@yjcompany.com](mailto:judy@yjcompany.com)

Whatsapp:+86-15736746522

Tel:+86-371-61315851



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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:  $\geq 57$

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

4D volume probe frequency: 2.0, 3.0, 3.5, 4.0, 5.5, 6.5MHz

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  $\geq 1200$  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:  $\leq 4$

26、 Max scanning depth: 320mm;

27、 Geometric accuracy: horizontal  $\leq 5\%$ , vertical  $\leq 5\%$

28、 Resolution: lateral  $\leq 2\text{mm}$ , axial  $\leq 1\text{mm}$

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

