



YJ-U60PLUS 3D/4D Color Doppler

—Full Digital Color Doppler Ultrasound Diagnostic System

Appearance

- Smart, compact and clamshell design
- 12 inch LED monitor
- Backlit operation panel, 8TGC
- Floating keyboard
- Two active probe connectors
- Two probe holders

Probe

Transducer Types

- 3.5Mhz convex probe (2.0/ 3.0/ 3.5/ 4.0/ 5.5Mhz)
- 7.5Mhz linear probe (6.0/ 6.5/ 7.5/ 10.0/ 12.0Mhz)
- 3.5Mhz micro convex probe (2.0/ 2.5/ 3.5/4.5/ 5.0Mhz)
- 6.5Mhz transvaginal probe (5.0/ 6.0/ 6.5/ 7.5/ 9.0Mhz)
- 3.5Mhz phased array probe (2.1/ 3.0/ 3.5/ 4.0/ 5.0Mhz)
- 4D volume probe (2.0/ 3.0/ 3.5/ 4.0/ 5.5Mhz)

Applications

- Abdomen, Obstetrics, Gynecology, Pediatrics, Small parts, Artery, Superficial organ, Orthopedics, Cardiology, Musculoskeletal, Vascular, etc

Function

- Auto Image Optimization
- Tissue Harmonic imaging
- iClear (Speckle Noise Reduction)



- iBeam (Spatial Compound Image)
- iZoom
- PIHI (Pulse-Inverse Harmonics Imaging)
- SA (Synthetic Aperture ultrasonic Imaging)
- Panoramic Image (Option)
- Trapezoid Image (Option)
- Continuous Wave Doppler (Option)

Display mode

- B, B|B, 4B, B|M, M, B|D, PW, B|PW, CF
- Duplex/Triplex mode
- CW (option)
- 4D mode (option)

Zoom

- Real time zooming
- 10 Steps: $\times 1.0$, $\times 2.0$, $\times 3.0$, $\times 4.0$, $\times 5.0$, $\times 6.0$, $\times 7.0$, $\times 8.0$, $\times 9.0$, $\times 10.0$
- Selectable zooming position

Focus

- Continuous dynamic focus
- 1~16 selectable transmit focus
- Acoustic lens focus
- 1, 2, 3, 4 focus

Memory

Cine-memory

- B-mode
- M-mode
- SSD (Solid State Disk) 64G

Imaging Processing

B mode

- 8-step TGC slide pots
- Gain: 0~100%
- Depth: 1.6~30cm
- Frequency: 5 steps
- Dynamic range adjustable: 0~150dB
- Edge enhancement: 0~7
- Persistence: 0~7
- Chroma: 0~6
- Grayscale: 0~16
- Power: 0~100%
- Noise reduction: 0-6
- iclear: off, 1, 2, 3, 4



M mode

- Gain: 0~100%
- Sweep speed: 4 steps
- Maps: 0~16
- Chroma: 0~6

C mode

- Gain: 0~100%
- Pulse wave
- Wall filter: 4 steps
- Color Maps: 0~7
- Package size: 8~15
- Color persistence: 0~7
- Threshold: 0-3
- Base line: 0-6
- Line density: Low and high
- Spatial filter: 0-3

PW mode

- Gain: 0~100%
- Frequency: 5 steps
- Pseudo color: 0~6
- PRFd: 1.0~6KHz
- Basic line: 7 steps
- Wall filter: 7 steps
- Spectrum mode: Refresh and Synchronize
- Sampling volume: 0.5-48mm

Measurement & Calculation

Measurement

B mode (General)

- Distance
- Trace Length
- Ellipse (area)
- Trace (area)
- Angle
- Volume

PW mode

- HR (heart rate)
- Distance
- Velocity
- Time



Calculation

Abdomen

- Liver
- Gallbladder
- Pancreas
- Spleen
-

Urology

- Kidney
- Ureter
- Bladder
- After the urine bladder
- Prostate
-

Gynecology

- Uterus
- Cervix
- Ovary
- Follicle

Early Obstetrics

- GS
- BPD
- CRL
- NT
- ...

Later Obstetrics

- BPD
- HC
- AC
- OFD
- FL
- TAD
- ...

Small parts

- Thyroid
- Testes

Musculoskeletal

- Hip

Peripheral vascular

- Intima
- Artery



Cardiology

- Distance
- Angle
- Volume
- RVWd
- LVDd
- RVDd
- LVPWd
- RVWs
- LVDs
- RVDs
- LVPWs
- RV/LV
- AO
- ...

Physical Features

Connectivity

- Video out port
- DVI out port
- VGA out port
- 2 USB port
- DICOM 3.0

Dimension

- Gross dimension:
510 mm X 500 mm X 330mm
- Net dimension:
330mm X 150 mm X 380mm

Weight

- Gross weight
12 kg
- Net weight
7 kg

Power Requirements

- Voltage: AC 100V to 240V $\pm$ 10%
- Frequency: 50Hz $\pm$ 1Hz
- Rated Power: 250VA

Operation Conditions

- Ambient temperature: 0°C to +40°C



- Relative humidity: 38% to 85%
- Atmospheric Pressure: 700hPa to 1060hPa

Software & Accessories

Standard Accessories

- Power Cable
- Operation Manual
- Fuse
- System Recovery USB
- Built in Li-ion battery

Optional Accessories

- B/W or color Video printer
- LaserJet or inkjet printer
- Trolley
- Aluminum case
- Biopsy guide