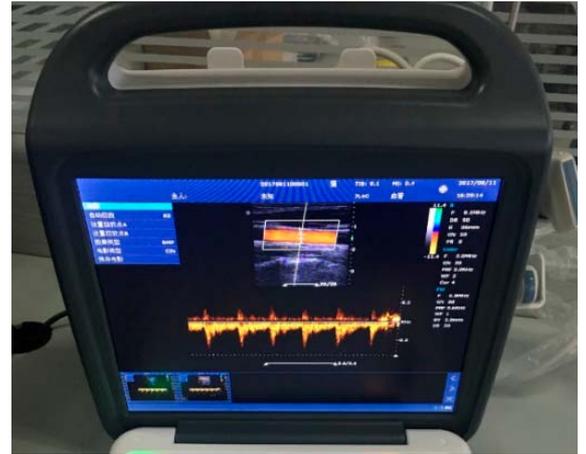


DCU10 Technical specifications



1. Instructions for use

For the examine of abdomen, heart, gynecology, obstetrics, urology, small organs, pediatrics, blood vessels, etc.

2. Main technical parameters and requirements:

2.1 Machine size, weight

Size: 400(L)*394(H)*172(W)

Weight:only unit 7.5kg, with one probe 8.2kg, with two probes 8.9kg.

2.2 Number of channels / array elements

Channel: 64 channels;

Probe elements: 128;

2.3 Monitor

High resolution 15 "LCD display

2.4★Full Digital Imaging Technology

1. Pulse inverse harmonic composite imaging
2. Multi-beam synthesis
3. Space compound
4. Image enhancement noise reduction

2.5 Imaging mode

1. B mode
2. M mode
3. Color(Color Doppler) mode
4. PDI(Energy Doppler)mode
5. PW(Pulse Doppler)mode

2.6 Image display mode

B、 2B、 B+M、 4B、 M、 B+Color、 B+PDI、 B+PW、 B+Color+PW、 B+PDI+PW、 ★B+C/PDI
Double real time

2.7 Supported probes

1. Convex probe
 2. Linear probe
 3. Cavity probe
 4. Micro-convex probe
- Probe frequency: 2.5-10.0MHz
Probe socket: 2 PC

2.8 Supported frequency

B/M : Third gear fundamental frequency + second gear harmonic frequency;
C : 2 gear
PW:2 gear

2.9 ★Cineloop

1. 2D mode,B Maximum: ≥5000 frames, Color, PDI Maximum: ≥2500 frames;
2. Timeline mode(M, PW), Maximum: ≥ 190s

2.10 Image zoom

Real-time scanning (B、 B+C、 2B、 4B) Status:steplessenlargement

2.11 Image storage

1. Support JPG, BMP, FRM image formats and CIN、 AVImovie format
2. Support local storage;
3. ★Support DICOM , meet the DICOM3.0 standard;
4. ★Built-in workstations:Support large-capacity hard disk(≥500GB),support patient data retrieval and browsing.

2.12 ★System language

1. Chinese / English operating system and language environment,support other languages according to user requirement;
2. Full screen annotation input, Chinese/ English;Chinese input methods ≥2,including Wubi input method

2.13 Measurement calculation software package

Abdomen, gynecology, obstetrics, small organs, heart, blood vessels, etc.

2.14 ★Battery

Built-in high-capacity lithium battery,continue to work more than 1.5 hours, power information displayed on the screen.

3. Image parameters

3.1 B mode

1. Gray scale mapping : ≥15
2. Noise suppression : ≥8
3. Frame correlation : ≥8
4. Edge enhancement : ≥8
5. Image enhancement : ≥5
6. Space compound : Switch adjustable
7. Scan density : High, middle, low
8. Image flip : Up ,Down,Left,Right

9. Maximum scanning depth : $\geq 320\text{mm}$

3.2 M mode

1. Scan speed (SweepSleep) : ≥ 5 , adjustable

2. Line average (LineAverage) : ≥ 8

3.3 PW mode

1. SV size / location : SV size $1.0\text{--}8.0\text{mm}$, adjustable

2. PRF : ≥ 16 , $0.7\text{kHz}\text{--}9.3\text{kHz}$,

3. Scan speed (SweepSleep) : ≥ 5 , adjustable

4. Correction angle (CorrectionAngle) : $-85^\circ\text{--}85^\circ$, step length 5°

5. Spectrum flip : Switch adjustable

6. Wall Filter : ≥ 4 , adjustable

7. Doppler sound : ≥ 20 , adjustable

3.4 Color/PDI mode

1. PRF : ≥ 15 , $0.6\text{kHz}\text{--}11.7\text{kHz}$

2. Color map (color map) ≥ 4 kinds;

3. Color related : ≥ 8

4. post-treatment : ≥ 4

4. Measurement and calculation

1. B/C mode routine measurement: Distance, area, perimeter, volume, angle, area ratio, distance ratio

2. M mode routine measurement: time, slope, heart rate, distance

3. Doppler mode routine measurements: heart rate, velocity, velocity ratio, resistance index, pulse index, manual / automatic envelope, acceleration, time

4. Obstetrics B, PW mode application measurements: including comprehensive obstetric line measurement, body weight, single gestational age and growth curve, amniotic fluid index, fetal physiological score measurement, etc.

5. Gynecology B mode application measurements

6. Heart B、M mode application measurements

7. Blood vessels PW mode application measurements

8. Small organ B mode application measurements

9. Urinary B mode application measurements

10. Pediatrics B mode application measurements

11. Abdomen B mode application measurements

5. Standard configuration

1. Main unit (with a built-in 500G hard disk)

2. High-resolution 15-inch LCD monitor

3. 3.5MHz convex probe: 1pc

5. 7.5MHz linear probe: 1 pc

6. Internal li-battery

5. Inverse harmonic imaging technique

6. PDI (Energy Doppler mode)

7. Spatial composite imaging

8. Built-in workstation