

Color Ultrasonic Diagnostic Apparatus

Model No.: DW-L3

Technical Specification

1 Product name: Color Ultrasonic Diagnostic Apparatus



1.1 Structure Type: laptop type

2 Instructions for use

2.1 Meet the inspection and diagnosis of primary hospitals in abdomen, obstetrics, gynecology, urinary system, small organs, superficial, vascular, pediatrics, neonatal, muscle, physical examination and other aspects.

3 Main specifications and system overview

1.1 Operating system: Windows 10

1.2 Spectral Pulse Doppler (PW)

- 3.3 Directional Energy Doppler
- 3.4 Real-time triple synchronization
- 3.5 Spatial composite imaging
- 3.6 Tissue harmonic imaging
- 3.7 2B/4B imaging mode
- 3.8 System language supports: Chinese, English, French, Russian and Spanish, five languages
- 3.9 Monitor: ≥ 15 inches
- 3.10 Integrated clipboard: display the saved images at the bottom of the screen, which can be directly transferred or deleted
- 3.11 The system has the function of field upgrade
- 3.12 Preset conditions: For different inspections, preset the inspection conditions to optimize the image, reduce the adjustment during operation, and commonly required external adjustment and combined adjustment
- 3.13 Probe interface ≥ 1
- 3.14 With trapezoidal imaging function
- 3.15 With one-click intelligent optimization

4 Probe option

Convex probe: frequency 2.0MHz, 2.5MHz, 3.0MHz, 3.5MHz, 4.0MHz, 5.5MHz, H4.0MHz, H5.0MHz, eight-segment frequency conversion (depth 30-255mm)

Linear probe: Frequency: 6.0MHz, 7.5MHz, 8.5MHz, 10.0MHz, 12.0MHz, H10.0MHz, six-segment frequency conversion (depth 20-128mm)

Trans-vaginal probe: Frequency: 4.5MHz, 5.0MHz, 6.0MHz, 6.5MHz, 7.0MHz, 9.0MHz, H8.0MHz, seven-segment frequency conversion (depth 30-156mm)

Micro-convex probe (R15): frequency 4.5MHz, 5.0MHz, 6.0MHz, 6.5MHz, 7.0MHz, 9.0MHz, H8.0MHz, seven-segment frequency conversion (depth 30-111mm)

Rectal probe: frequency 4.0MHz, 6.5MHz, 9.0MHz, H8.0MHz, four-segment frequency conversion (depth 20-110mm)

Phased array probe: frequency 2.0MHz, 2.5MHz, 3.0MHz, 3.5MHz, 4.0MHz, 5.0MHz, H3.0MHz, H4.0MHz, eight-segment frequency conversion (depth 100-244mm)

5 2D Imaging Mode

- 5.1 Gain:** 0-100, step 1 can be adjusted visually
- 5.2 TGC:** 8-segment adjustable
- 5.3 Dynamic range:** 20-280dB, 20-level visual adjustable
- 5.4 Pseudo-color:** 0-11 grades, visually adjustable
- 5.5 Sound power:** 5%-100%, step by 5%, visually adjustable
- 5.6 Body marks** \geq 17 types
- 5.7 Focus points:** 6, which can be moved all the way
- 5.8 Grayscale:** 0-7 levels are visually adjustable
- 5.9 Filter:** 0-4
- 5.10 Scanning range:** 50%-100%
- 5.11 Frame correlation:** 0-4 levels, adjustable visually
- 5.12 The screen has **real-time display** of sound power, probe frequency, dynamic range, pseudo-color, gray scale, etc. 14 kinds of parameters can be adjusted
- 5.13: Scan line density:** high, medium and low
- 5.14 Noise reduction:** 0-14

6 Color Imaging Mode (CFM)

- 6.1 Color frame correlation:** 0-12 levels, visually adjustable
- 6.2 Color spectrum:** 0-7 levels, adjustable visually
- 6.3 Color conversion:** adjustable
- 6.4 B/C split** screen synchronous display function
- 6.5 Color baseline:** 11 levels, visually adjustable
- 6.6 Color Line Density:** High and Low Adjustable
- 6.7 Wall filter:** 0-5 level adjustable

7 Spectral Doppler Mode (PW)

- 7.1 Sampling volume angle correction:** $-80^{\circ} \sim 80^{\circ}$ adjustable

7.2 Sampling volume: 0.5mm-20mm visually adjustable

7.3 Frequency: 2.5MHz and 3.0Mhz can be adjusted visually

7.4 Baseline: 11 levels adjustable

7.5 Pseudo-spectrogram: 0-5

7.6 Display layout: ≥ 4 kinds of visual adjustable

7.7 Speed scale: 32.8-328cm/s (different probe ranges are different)

7.8 Spectrum envelope function (auto measurement): Real-time automatic spectrum envelope, manual spectrum envelope and other modes are optional, the system automatically analyzes and displays: PS, ED, PI, RI, S/D, HR and other data

7.9 Grayscale: 0-7

7.10 Wall Filter: 0-8

7.11 Dynamic range: 10-95db step 5

7.12 Noise reduction: 0-28

7.13 Volume: 0-100

8 Measurement and analysis functions

8.1 Measurement items include distance, area, angle, time, slope, heart rate, speed, acceleration, blood flow path, blood flow spectrum trace, resistance index/pulsatility index and other professional measurements

8.2 According to the different applications, there are professional measurement packages;

8.3 Measurement line color and line type can be adjusted at will (including active color and finish color)

8.4 The display position and font size of the measurement results can be customized

8.5 Specialized software packages: Abdominal, Obstetrics, Urology, etc.

9 Graphic management system: image save format: BMP DCM JPG

9.1 Hard drive: built-in 128GB solid-state hard drive, fast and stable

9.2 Cine loop: ≥ 600 frames

9.3 Built-in information management system: can record number, name, inspection number, inspection date, etc.,

and can search and manage by number, inspection number, name, etc.

9.4 Report types ≥ 16. Provide photo proof.

9.5 One-click quick report graphic management

9.6 With DICOM3.0 protocol: which can be connected to PACS system directly

10 Interfaces

USB ports *4, Audio port *1, HDMI port *1, RJ-45 port *2

11 Configuration

11.1 Color Ultrasonic Diagnostic Apparatus host *1

11.2 Optional probes: convex probe, linear probe, trans-vaginal probe, micro-convex probe, rectal probe.

11.3 Other optional accessories: Thermal printer (SONY UP-X898MD), Trolley

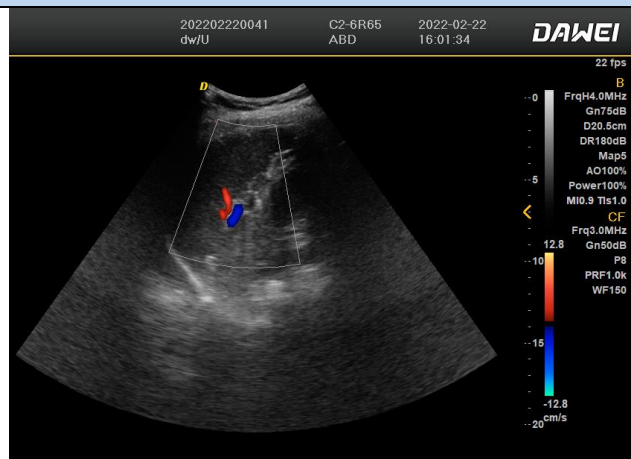
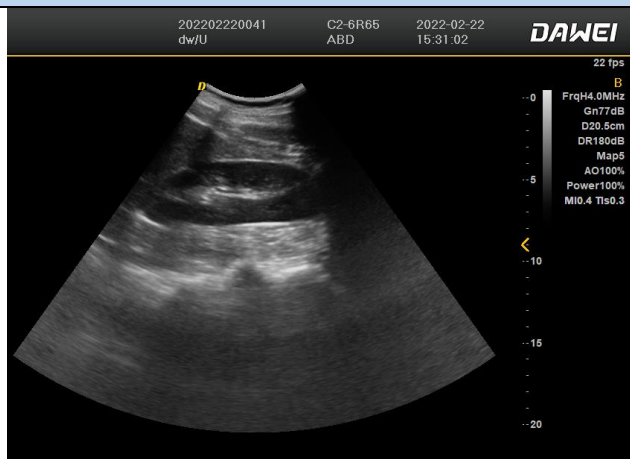
11.4 Warranty: 2 years, including host and probes as standard.

The host is available for extended warranty period for max 5 years, please contact sales person for detailed charges.

11.5 Lifetime maintenance after the expiration of the warranty period, and free upgrade and maintenance of the workstation software involved for life.

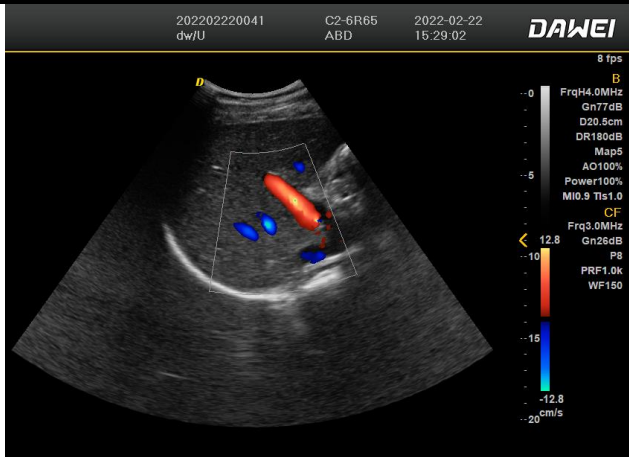
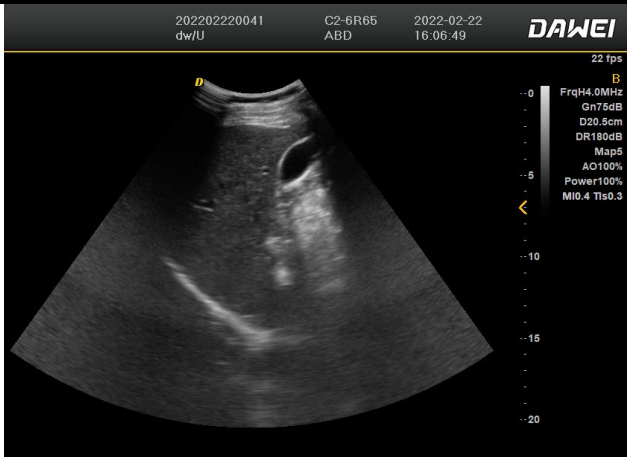
Kidney

Spleen



Galbladder

Liver



Carotid artery

Thyriod

