



## Color Doppler Ultrasound Imaging System



**Datasheet**

## Product Description

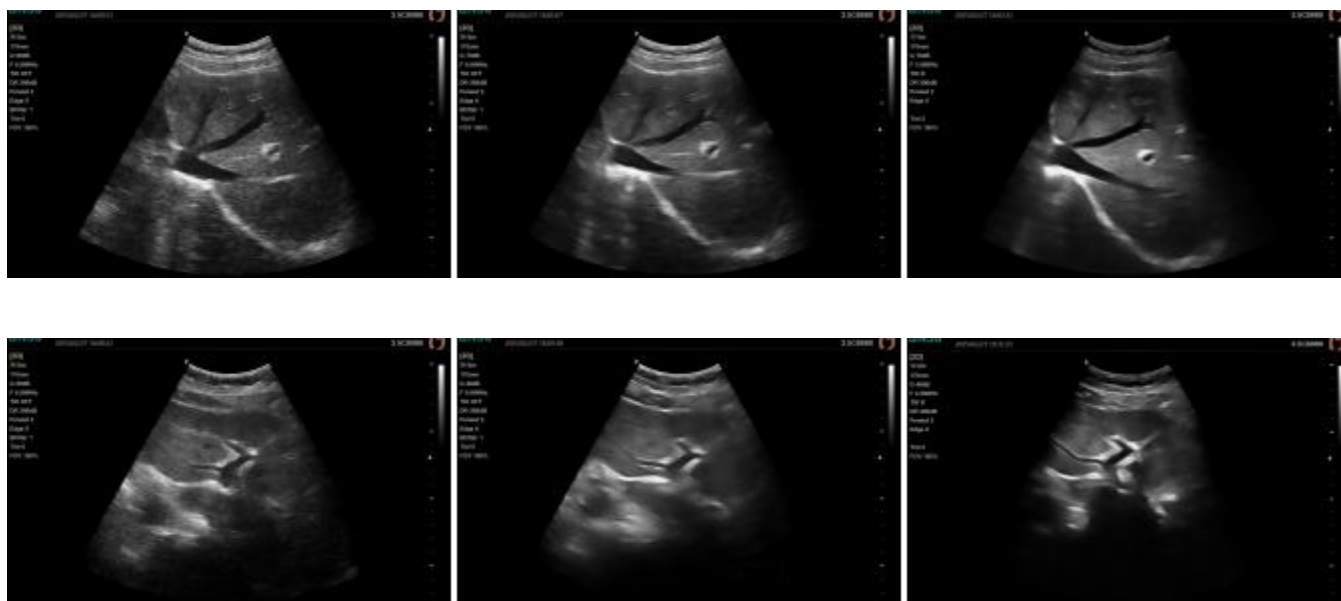
The new model 40C, ultra-thin and ultra-light notebook design, high degree of integration, easy to carry; the use of light touch keyboard with two-color backlight, parameter adjust and multi-function knob, to achieve fast ,more convenient and flexible control; Using the latest ultrasonic modules and imaging technologies, etc, rich software functions and excellent images and built-in large capacity lithium battery to make the 40C able to meet user needs, easier in clinical diagnosis process, and more competitive in the practical ultrasonic diagnostic instrument.

## Realistic image processing effects

Original image

Image optimization

Inversion THI

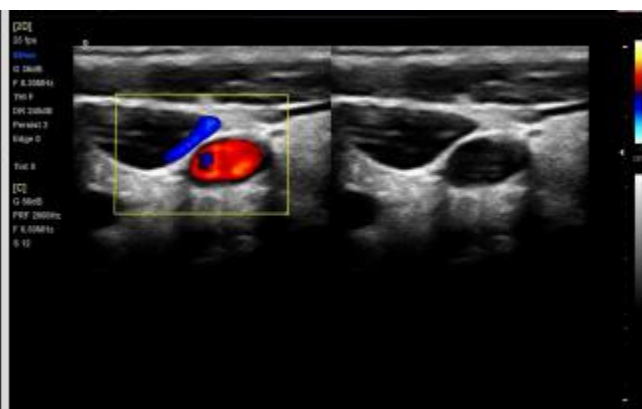


## Advanced Technique and Features

- ☑ Tissue Adaptive Imaging
- ☑ Frequency Compounding Imaging
- ☑ Auto Optimization Imaging
- ☑ Adaptive Doppler imaging
- ☑ Language: Chinese, English, Russian, Spanish, Portuguese, French, Indonesian
- ☑ SRI-Adaptive Speckle Reduction Imaging
- ☑ Adaptive Spatial Compounding Imaging
- ☑ Digital Multi-Beam forming
- ☑ Frequency Tissue Harmonic imaging
- ☑ Auto Doppler trace
- ☑ Spectrum Enhancemen



3.5MHz Convex



7.5MHz Linear

## System Overview

## System Architecture

- ☑ Dual active transducer ports
- ☑ Operating System Win7
- ☑ Hard Disk  $\geq$ 256G SSD

- ☑ Beam Forming Quad beam
- ☑ Memory  $\geq$ 4GB

**Dimensions and Weight**

- ☑ Dimension 378mm×350mm×56mm
- ☑ Net Weight (No battery) 3.5 kg
- ☑ Aluminum box packing 445×185×435mm

- ☑ Carton packing 445×185×435mm
- ☑ Gross Weight 6.2kg
- ☑ Weight 9kg(Aluminum box)

**Monitor and Sound**

- ☑ 15.6'high resolution LED monitor
- ☑ Built-in stereo

- ☑ Image Size: 1920\*1080

**speaker I/O Ports**

- ☑ VGA
- ☑ USB 2.0(two)

- ☑ HDMI
- ☑ DICOM



3.5MHz Convex



6.5MHz Trans-vaginal

**Battery**

- ☑ Rechargeable 5200mAh capacity
- ☑ Battery fully charged in about 4 hours.

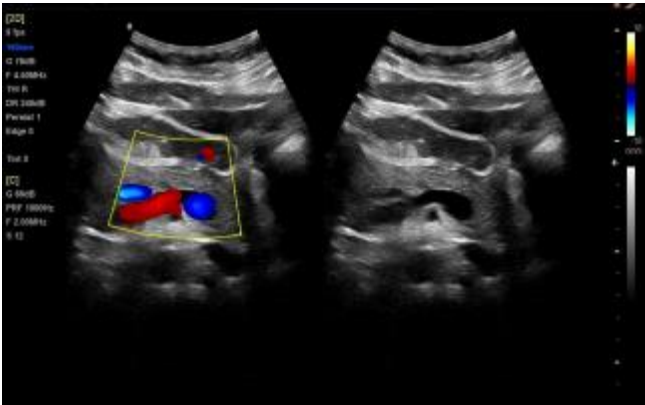
- ☑ Battery indicator on the right of console
- ☑ Battery level icon displayed on the main screen.

**AC Power Requirements**

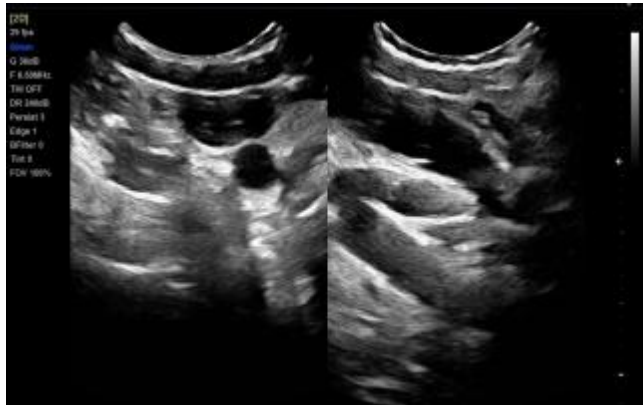
- ☑ Voltage 100 -240V
- ☑ Input 100VA
- ☑ Frequency 60 Hz/50 Hz
- ☑ Current 1.8-0.8A

**Options**

- ☑ Transducers
- ☑ Needle Guide Kits
- ☑ 3Dsoftware
- ☑ Battery
- ☑ Printers
- ☑ HDMI to BNCBox
- ☑ Simple Troll



Dual mode (CFM+B)



Dual mode- 6.5MHz Micro-convex

**Imaging**

**Imaging Modes**

- ☑ B-mode
- ☑ dual- B mode
- ☑ 4B mode

- M-mode
- THI(Inversion or Phased)
- THI(Frequency)
- Available for B and Color(PDI) mode
- Allows to switch between two images two frozen or one active/one frozen.
- CFM
- PW
- Display
- 3D
- PDI
- Displays two image side-by-side

### Imaging Mode Combinations

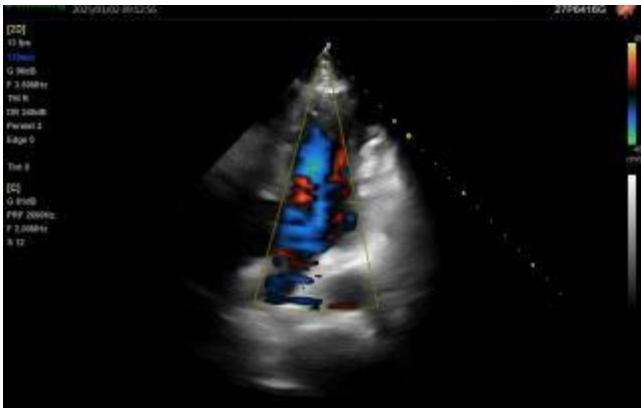
- B,B+B
- B+M,M
- B/C(PDI) Single
- B/C(PDI), Dual
- B+PW (Duplex)
- B+CFM+PW
- B/C(PDI)+PW (Triplex)
- 4B
- B+B/C/PDI

### User Interface

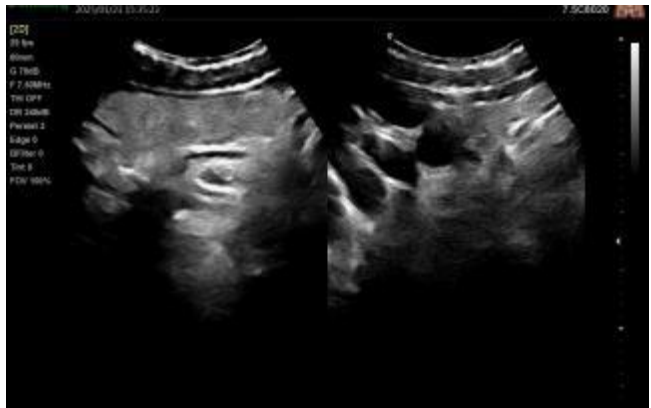
- Interactive back-lighting
- User-defined keys
- 6 shortcut menu knobs Main Screen Display
- Standard keyboard for text input
- Brightness and contrast adjustable
- 8 Stage TGC sliders

### Information Field

- Brand logo
- Hospital name
- Date - Time
- Patient ID
- Body parts icon
- Patient Name
- Patient Gender
- Patient Age
- Transducer model
- Application



3.0MHz Phased array



7.5MHz Micro-convex

### Image Field

- Imaging parameters
- Gray Scale bar
- Depth Scale
- Thermal Index (TI)
- Measured result window
- TGC curve
- Mechanical Index (MI)

### Editable Report

- Measurement and calculation results import
- Measurement and calculation results for multiple fetus.
- Picture size adjustable
- Printer adjustable




### Thumbnail Field

- All captured static images and cine clips
- Shortcut keys for selecting, viewing, deleting, exporting images.

### User status Field

- Cine bar - Image Storage state
- Battery Icon
- Real time power dynamic display
- Exit icon for exiting Raw Data review status

## Transducers Application and Biopsy Guide

Model	Center frequency	Frequency range	Probe type	Appearance	Clinical applicability
<b>3.5C8060G-3</b>	<b>3.5MHz</b>	<b>2.0-6.0MHz</b>	<b>Convex (R=60)</b>		<b>ABD/OB/GYN</b>
<b>7.5L8040G-3</b>	<b>7.5MHz</b>	<b>5.0-12MHz</b>	<b>Linear (L=40)</b>		<b>superficial</b>
<b>6.5C8010G-3</b>	<b>6.5MHz</b>	<b>4.5-10MHz</b>	<b>Trans-vaginal (R=10)</b>		<b>OB/GYN</b>
<b>3.5C8020G-3</b>	<b>3.5MHz</b>	<b>2.5-6.0MHz</b>	<b>Micro-convex (R=20)</b>		<b>Cardiac/small organ</b>
<b>6.5C8015G-3</b>	<b>6.5MHz</b>	<b>4.5-10MHz</b>	<b>Micro-convex (R=15)</b>		<b>Cardiac/small organ</b>
<b>7.5C8020G-3</b>	<b>7.5MHz</b>	<b>5.5-12 MHz</b>	<b>Micro-convex (R=20)</b>		<b>Cardiac/small organ</b>
<b>6.0L8064G-3</b>	<b>6.0MHz</b>	<b>5.0-10MHz</b>	<b>Linear (L=64)</b>		<b>Rectal</b>
<b>6.5L8064G-3</b>	<b>6.5MHz</b>	<b>5.0-10MHz</b>	<b>Linear (L=64)</b>		<b>Animal Rectal</b>

\*Feature is subject to regulatory approval, and may not be available for sale in specific countries.

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