

Console Design:

- Humanized appearance
- Two active probe connectors
- Three probe holders
- Backlit keyboard, 8 TGC
- High resolution color monitor
- 15-inch LCD monitor

Applications:

- Abdomen, Urology, Gynecology, Obstetrics (1st Trimester, 2nd and 3rd Trimesters), Fetal echo, Multifetation, Abdomen (penetration) (PEN), Urology (PEN)
- Thyroid, Breast, Testes, Carotid, Peripheral vascular, Orthopedics, Podiatry, Superficial, Small part (PEN), Vascular (PEN), Musculoskeletal, Neurology
- Cardiology, Cardiology (PEN), Pediatrics
- Cardiology

Transducer Types:

- Electronic Convex Probe
- Electronic Micro Convex Probe
- Electronic Linear Probe
- Electronic Trans Vaginal Probe
- Electronic Phased Array Probe
- 4D Convex Probe

Highlights:

- Anatomical M Mode
- Color M Mode
- ECG Module
- Compound Imaging
- Panoramic Imaging
- Automatic Optimization (B, PW mode)
- Speckle Reduction



- Trapezoidal Imaging
- Tissue Harmonic imaging
- Tissue Doppler imaging
- Auto IMT measurement
- Stress Echo
- HPRF
- 4D Imaging
- Continuous Wave Doppler mode (CWD)
- Edit the exam type and save the user-defined items

Display Modes:

- B, 2B, 4B mode
- M, B/M mode
- Color Flow Mode
- Pulse Wave Doppler
- Anatomical M Mode
- Color M Mode
- Continuous Wave Doppler
- B+CFM, B+PDI mode
- B+PW mode
- B+CFM+PW, B+PDI+PW mode
- Tissue Harmonic Imaging
- Tissue Doppler Imaging
- Trapezoidal Imaging
- Triplex mode
- Split B/Color real time mode

Focusing:

Continuous dynamic focusing
 Dynamic apodization
 1~10 selectable transmit focus
 Acoustic lens focus

Memory:

B mode cine loop playback & storage up to 12000 frames
 PW mode cine loop playback up to 81 seconds.
 M mode cine loop playback up to 54 seconds.
 Hard disk \geq 250GB
 USB ports
 Storage format: PPM, BPM, JPG, TIF, WMV, CIN, AVI

2D Mode:

TGC
 B Gain
 Depth
 Persistence
 Power
 Dynamic Range
 B GSC
 Chroma
 Angle
 B Mode imaging orientation
 Speckle Reduction I
 Speckle Reduction II
 Line Density
 Sonic Speed
 Compound Image

M Mode:

M Sweep speed
 M Gain
 M Chroma
 B/M Layout
 Power
 M Invert

Color Mode:

Gain
 Persistence
 C Frequency
 Steer
 PRFc
 Wall Filter
 Color Basic line
 Color Maps
 C Power
 C linear density
 Color Invert
 B Restrain

PW Mode:

Gain
 D Frequency
 D Chroma
 PRFd
 Basic Line
 Wall Filter
 Angle Correct
 D Speed
 Volume
 D Power
 Sample Volume
 Dynamic Range
 PW Layout
 When correction angle=0° and the baseline is in the middle, the maximum speed is 150 cm/s.
 When correction angle=0° and the baseline on the bottom, the maximum speed is 250cm/s.
 When the correction angle=72° and the baseline is in the middle, the maximum speed is 500cm/s.
 When the correction angle=72° and the baseline is on the bottom, the maximum speed is 900cm/s.
 Minimum Speed of PW: 0.07cm/s.

CW Mode:

Gain
 Frequency
 Chroma

PRFd	Display parameters related to diagnosis
Basic Line	Hospital name:≥ 23 characters
Wall Filter	Patient name:31 characters
Angle Correct	Patient ID: 15characters
Speed	Exam type
Volume	Active probe type
Power	Probe orientation
Dynamic Range	Display parameters related to imaging
CW Layout	Imaging angle,width and depth
When the correction angle=0°and the baseline is in the middle,the maximum speed is 900cm/s.	Frame rate
When the correction angle=0°and the baseline is on the bottom,the maximum speed is 1500cm/s.	Focus zone mark and range
When the correction angle=72°and the baseline is in the middle,the maximum speed is 3000cm/s.	Gray scale
When the correction angle=72°and the baseline is in the bottom,the maximum speed is 5000cm/s.	Probe operating frequency
	TGC curve
	Depth scale
	Gain control
	Frequency
	Persistence
	Grayscale transform
	Dynamic range
	Angle
	Speckle Reduction
	Zoom rate
TDI:	
Gain	
Persistence	
Frequency	
PRFc	
Wall Filter	
Color basic line	Measurements & Calculations
Color maps	Abdomen
Power	Urology
Linear density	Gynecology
Color Invert	Obstetrics
	Growth Chart
	Thyroid
	Breast
	Testes
	Peripheral vascular
	Podiatry
	Superficial
	Orthopedics
	Musculoskeletal
	Carotid
	Podiatry
	Cardiology
	Report
ECG Mode	
Gain	
Curve position	
Curve Invert	
4D/3D Mode:	
Display Items	
More than 300 predefined annotations	
Body marke:72	

Image and Patient data storage

Hard Disk

USB memory stick, two USB ports

Connector

Video out:1

S-Video out:1

RJ-45:1

VGA:1

Print Control:1

Foot Switch:1

USB:2

MIC:1

ECG:1

Physical Features**Dimension**

370mm x 208mm x 388mm

Weight

16.5 kg(contain two probes)

18.5kg(contain four probes)

Power Requirements

Power Rating:250VA

Voltage: AC 240V \pm 10%; 100V \pm 10%Frequency: 50Hz \pm 1Hz; 60Hz \pm 1Hz**Environment Requirements**

Ambient temperature: 0°C ~ +40°C

Relative humidity: 30% ~ 85%

Atmospheric Pressure: 700hPa ~1060hPa

Software, Accessories & Probes**Standard Accessories**

Operation manual

Power Cable

Potential equalization conductor

Printer control cable

S-Video cable

Dust-proof cover

Fuse

BNC/RCA cable

Option

Laserjet or inkjet printer

Video printer

DICOM3.0

Footswitch

Probes

Model name	Applications	Transmit frequency (MHz)	Max. depth	Band width	View field	Array radius	Biopsy guide
<Convex probe>							
C3L60K	Abdomen Gynecology Obstetrics Urology	B mode: 2-4.6/2-5.0/3-5.4/2-5.8/3-6.1 C mode: 2.0/2.2/2.4/2.6/3.0 Harmonic: 3-5.9/4-6.1/4-6.3/4-6.5/4-6.8	24.1cm	2.0-5.0	74°	R60	Available
C3L40K	Abdomen Gynecology Obstetric Urology	B mode: 2-4.6/2-5.0/3-5.4/2-5.8/3-6.1 C mode: 2.0/2.2/2.4/2.6/3.0 Harmonic: 3-5.9/4-6.1/4-6.3/4-6.5/4-6.8	24.1cm	2.0-5.0	85°	R40	
C3I20K	Cardiology Abdomen	B Mode: 2-3.6/2-3.9/2-4.1/3-4.4 C Mode: 2.0/2.2/2.4/2.6/3.0 Harmonic: 3-5.2/3-5.5/3-5.8/4-6.0	24.1cm	2.0-5.0	110°	R20	Invalid
C5I20K	Cardiology Abdomen	B Mode: 4-8.0/4-8.3/5-8.6/5-9.2/5-10 C Mode: 3.6/4.0/4.5/5.1/6.0 Harmonic: 6-9.9/6-11.0/7-11.0/7-12.0/8-13.0	14.3cm	4.0-7.0	110°	R20	Invalid
<Linear probe>							
L8L38K	Small Part Vascular Orthopaedics Musculo-skeletal	B Mode: 4-9.9/5-11/6-11/7-13/8-15 C Mode: 4.0/4.5/5.1/6.0/7.2 Harmonic: 9-13/9-14/9-15/9-16/10-16 PW Mode: 4.0/4.5/5.1	9.9cm	5.0-12.0	38mm		Available
L10L25K	Small Part Vascular Orthopaedics Musculo-skeletal	B Mode: 4-9.9/5-11/6-11/7-13/8-15 C Mode: 4.0/4.5/5.1/6.0/7.2 Harmonic: 9-13/9-14/9-15/9-16/10-16	9.9cm	6.0-14.0	25.6mm		Available
L10L38K (10MHz)	Small Part Vascular Orthopaedics Musculo-skeletal	B Mode: 4-9.9/5-11/6-11/7-13/8-15 C Mode: 4.0/4.5/5.1/6.0/7.2 Harmonic: 9-13/9-14/9-15/9-16/10-16	9.9cm	6.0-14	38.4mm		Available
<Transvaginal probe>							

V6L11K	Gynecology Early-pregnancy Urology	B Mode: 3-7.8/4-8.3/5-9.0/5-9.8/5-11 C Mode: 3.6/4.0/4.5/5.1/6.0 Harmonic: 6-9.9/6-11/6-12/6-13/6-15	14.3cm	4.0-9.0	157°	R11	Available
V6L11K (180°)	Gynecology Early-pregnancy Urology	B Mode: 3-7.8/4-8.3/5-9.0/5-9.8/5-11 C Mode: 3.6/4.0/4.5/5.1/6.0 Harmonic: 6-9.9/6-11/6-12/6-13/6-15			180°		
<Phased array probe>							
P3F14K (L20)	Cardiology Abdomen	B Mode: 2-3.4/2-3.6/2-3.9/2-4.1/2-4.4 C Mode: 2.0/2.2/2.4/2.6/3.0 Harmonic: 2-4.9/2-5.0/3-5.1/3-5.2/3-5.4	24.1cm	2-4.4	20mm		Invalid
P5F14K	Cardiology Abdomen	B Mode: 2-3.4/2-3.6/2-3.9/2-4.1/2-4.4 C Mode: 2.0/2.2/2.4/2.6/3.0 Harmonic: 2-4.9/2-5.0/3-5.1/3-5.2/3-5.4	24.1cm	2-4.4	14mm		Invalid