Performance Specifications

System Overview

Application
- Abdomen
- Obstetrics
- Gynecology
- Cardiology
- Small parts
- Urology
- Vascular
- Pediatrics
- Emergency Medicine
- Anesthesia
- Others

Transducer types
- Curved array transducer
- Linear array transducer
- Phased array transducer
- 4D Volume transducer

Imaging modes
- B-Mode
- Tissue Harmonic and PSH (Phase Shift Harmonic Imaging)
- M-Mode/Color M-mode
- Free Xros M (Anatomical M-mode)
- Free Xros CM (Curved Anatomical M-mode)
- Color Doppler Imaging
- Power Doppler Imaging/Directional PDI
- Pulsed Wave Doppler
- Continuous Wave Doppler
- TDI
- Smart 3D (Freehand 3D)
- 4D
- iScape View (Panoramic Imaging)

Standard features
- B-Mode
- THI and PSH
- M-Mode
- Color Doppler Imaging
- Power Doppler Imaging and Directional PDI
- Pulsed Wave Doppler
- iBeam (Spatial Compounding Imaging)
- iClear (Speckle Suppression Imaging)
- iTouch (Auto Optimization)
- Zoom/iZoom (Full Screen Zoom)
- FCI (Frequency Compounding Imaging)
- B steer
- ExFOV
- HR Flow (High Resolution Flow)
- Raw data processing
- 4 active probe ports
- 1TB hard drive
- DVD R/W driver
- 6-USB

Optional features
- Continuous Wave Doppler
- Free Xros M
- Free Xros CM
- iScape View

Smart 3D
4D
IMT
TDI (Include TVI, TVD, TVM, TEI)
TDI QA (TDI Quantitative Analysis)
DICOM
Clinical Measurement Package
Smart OB (Auto OB measurement)
iWorks (Auto Workflow Protocol)
iNeedle (Needle Visualization Enhancement)

Physical Specification

Dimension and weight
- Height: 1355 – 1780mm
- Width: 585mm
- Depth: 930mm
- Weight: Approx. 111kg (no peripherals)

Monitor
- 19-inch high resolution color LCD monitor
- Resolution: 1680 x 1050
- Digital on-screen display of brightness and contrast controls
- Auto-calibrate brightness after system boot-up each time

Audio speakers
- Stereo audio speakers

Multi-directional articulating monitor arm for better user-friendly experience
- Rotate: ±90 degrees (from center)
- Up: 280mm
- Pull: 550mm

Wheels
- Diameter: 125mm
- Front castor (2 ea): Total lock and break
- Rear castor (2 ea): One for total lock and break; the other one for direction lock and break

Probe port and holder
- Probe ports: 4 active ports, plus 1 pencil probe port
- Probe holder: 5 (one for pencil probe), plus 1 dedicated endocavity probe holder

Electrical power
- Voltage: 100 – 127V–, or 220 – 240V–
- Frequency: 50/60 Hz
- Power consumption: Max. 800 VA
- Circuit breaker: 250V–, 13A

Operating Environment
- Ambient temperature: 0 – 40 °C
- Relative humidity: 30% – 85% (no condensation)
- Atmospheric pressure: 700hPa – 1060hPa

Storage & Transportation Environment
- Ambient temperature: -20 – 55 °C
- Relative humidity: 30% – 95% (no condensation)
- Atmospheric pressure: 700hPa – 1060hPa

User Interface

Control panel
- User-centric control panel with home-based and kidney-shaped layout favors easy access to keys
- Backlit keys ensure accurate work in the dark room
- Programmable keys available for user-defined functions
- 8-segment TGC control
- Full-sized, backlit QWERTY keyboard for text input, function keys and system programming
- Adjustable key volume and trackball speed meet different needs
- Dedicated palm rest design to help reduce user repetitive stress injury
- Independent rotation and up/down of control panel facilitates optimal positioning
- Rotate: ±90 degrees (from center)
- Down/up: 780 – 970mm (190mm range)

Touch screen
- 10.4-inch high sensitivity anti-glare color touch screen
- Resolution: 1024 x 768
- Digital brightness and contrast adjustment through preset
- Viewing angle: ≥170 degrees
- Support either hand writing or with gloves on

System boot-up
- Boot-up from complete shut-down in less than 52 sec
- Boot-up from standby mode in less than 13 sec
- Shut-down in less than 33 sec

Comments
- Supports text input and arrow
- Voice annotation: Record voice as annotation for images and cine
- Adjustable text size and arrow size
- Supports home position
- Covers various application
- User customizable

Bodymark
- More than 140 bodymarks for versatile application
- User customizable
### Imaging Parameters

#### Overview
- Digital Multi-stage beamformer

#### B-mode
- Display formats: Single(B), Dual(B+B), Quad(4B)
- iClear
- iBeam
- iTouch
- FC: Frequency compounded imaging
- Dual Live: Side by side live display
- Image quality: Pen/Gen/Res (depend on probe)
- B steer: Available on linear transducers
- ExFOV: Extended FOV available on convex, linear, and volume transducers
- Depth
- Frame rate
- Acoustic output power
- TGC
- LGC
- Dynamic range
- Gain
- Focus number
- Focus position: Adjustable
- FOV: Consistently adjustable
- Line density: L/M/H/UH
- Persistence
- Horizontal Scale
- L/R flip and U/D flip
- Rotation
- TSI: General/muscle/fluid/fat
- Gray Map
- Tint map

#### THI and PSH
- Available on all types of transducer
- Patent PSH technology, obtains purer harmonic, better contrast resolution, higher S/N ratio, exceptional high frequency harmonic
- iClear available

#### M-mode
- Color M-mode available
- Acoustic output power
- Dynamic range
- Gain
- Sweep speeds
- M soften
- Tint map
- Gray Map
- Edge enhancement

#### Free Xros M (option)
- Color Free Xros M available
- Up to 3 lines
- Sweep speeds
- M Tint map
- Gray Map

#### Free Xros CM (option)
- Only available in TDI mode
- Acoustic output power
- Gain
- Sweep speeds
- Tint map
- Gray Map
- Edit, undo, delete function for curved line

#### Color Doppler Imaging
- Dual live
- HR Flow: High Resolution Flow provides better image quality and flow sensitivity
- Image quality: Pen/Gen/Res
- Max velocity
- Steer
- Acoustic output power
- Gain
- ROI size/position: Adjustable
- Scale
- Baseline
- Wall filter
- PRF
- Packet size
- Flow state: L/M
- Smooth
- B/C align: On/Off
- Priority

#### Power Doppler Imaging
- Dual live: Side by side displays B and B+PDI
- HR Flow: High Resolution Flow provides better image quality and sensitivity
- Color map
- Invert: On/Off
- Persistence
- Velocity tag: On/Off
- Line density: L/M/H/UH

#### PW/CW-Mode
- Display formats: V2.3, V3.2, V 3:1, H2.3, FULL, Doplexer/Triplex (PW only) (V: vertical, H: horizontal)
- Image quality: Pen/Gen/Res
- PW velocity
- CW velocity
- Sample volume size
- Sample gate depth: Adjustable
- Scale
- Baseline
- PW Steer
- Volume
- PW PRF
- Gain
- Dynamic range
- Sweep speed
- Wall filter
- Invert
- Auto invert
- Angle correction
- Quick angle
- Gray map
- Tint map
- Time/frequency resolution
- Auto calc
- Auto calc cycle
- Trace area
DC-8 Diagnostic Ultrasound System

Performance Specifications

Imaging Parameters (cont’d)

Tissue Velocity/Energy Imaging (included in TDI option)
- Available on phased array transducer
- Dual live
- PRF
- Acoustic output power
- Gain
- Dynamic range
- ROI size/position: Adjustable
- Baseline
- Wall filter
- Packet size
- Tissue state: L/M/H
- Smooth
- B/C align
- Priority
- Color map
- Invert
- Persistence
- Velocity tag
- Line density: L/M/H/UH

Tissue Velocity Doppler (included in TDI option)
- Available on phased array transducer
- Sample volume size
- Sample gate depth: Adjustable
- Scale
- Baseline
- Volume
- PRF
- Gain
- Dynamic range
- Sweep speed
- Wall filter
- Auto invert
- Angle correction
- Quick angle
- Gray map
- Tint map
- Time/frequency resolution

Tissue Velocity Motion (included in TDI option)
- Acoustic output power
- Dynamic range
- Gain
- M sweep speeds
- M soften
- Gray Map
- Edge enhancement

Smart 3D (option)

- iClear
- VR: On/Off, select volume rendered image
- MPR: On/Off, select A, B and C plane
- Display formats: MPR only/asymmetric
- VOI: On/Off
- Reset: All, orientation, reset curve
- Active quadrant: A, B, C, VR
- VR orientation
- Inversion
- Accept VOI: On/Off
- Flip: Flip VR
- Sync: Synchronize VR with selected plane
- Render modes: Surface, Min, Max, X-ray
- View direction: Down/up, left/right, front/back
- Threshold
- Opacity
- Smooth
- Brightness
- Contrast
- Tint

Auto rotation
Edit:

4D (option)
- Available on all volume transducers

Static 3D and 4D

- iClear
- VR: On/Off, select volume rendered image
- MPR: On/Off, select A, B and C plane
- Display formats: MPR only/asymmetric
- VOI: On/Off
- Reset: All, orientation, reset curve
- Active quadrant: A, B, C, VR
- VR orientation
- Inversion: On/Off
- Accept VOI: On/Off
- Flip: Flip VR
- Sync: Synchronize VR with selected plane
- Render modes: Surface, Min, Max, X-ray
- View direction: Down/up, left/right, front/back
- Threshold: (Only on VR)
- Opacity: (Only on VR)
- Smooth
- Brightness
- Contrast
- Tint

Auto rotation
Edit:

Zoom
- Zoom: Spot zoom and read zoom
- iZoom
- QSsave
- Quick save image parameter setting after image adjustment done
- Support Save, Save as, Restore

TDI QA (option)
- Dedicated quantification tool for TDI velocity, strain and strain rate analysis
- Freehand ROI: Manually deploy ROI on the cine
- Up to 8 ROIs
- Delete all
- Delete current
- ROI tracking: Track ROI to compensate myocardial movement
- Std. Height
- Std. Width
- Std. Angle
- Export: Export current data as CSV format file

iNeedle (option)
- Needle visualization enhancement
- Available on all linear transducers
- Needle steer

Cine Review and Raw Data Processing

Cine review
- Available in all modes
- Frame by frame manual cineloop review or auto playback with variable speed
- Independent cine review in 2D Dual and Quad mode one by one
- Retrospective and prospective storage are available and length is pre-settable
- Frame compare: displays one cine in dual format and allows frame by frame compare side by side
- Cine compare: compare cines which are saved in same imaging mode
- Jump to first and jump to last: one stroke go to first or last frame in the cine

Raw data processing
- B-mode: iClear, zoom, TGC, LGC, gain, dynamic range, gray map, tint map, flip, rotation
- M-mode: Speed dynamic range, gain, gray map, tint map, edge enhancement
- Color: gain invert smooth baseline color map priority velocity tag
- PW: baseline wall filter speed angle correction quick angle invert dynamic range gray map tint map

mindray™
NORTH AMERICA
Performance Specifications

measurement/analysis and report

Generic measurements

2D-mode
Depth
Distance
Area: Ellipse, Trace, Spline, Cross
Trace Length
Double Distance
Parallel
Volume: 3-Distance, Ellipse, Ellipse + Distance)
Length Ratio
Area Ratio
IMT
B Histogram
B Profile
Volume Flow
Color Velocity

M-mode
Distance
Time
Slope
Heart Rate
Velocity

Doppler mode
D Velocity
Time
Heart Rate
Acceleration
D Trace
PS/ED
Volume Flow

Automatic Doppler Spectrum Analysis
Heart cycle pre-settable (1, 2, 3, 4, 5)
Automatic real-time and retrospective tracing
User configurable display of items
Support PI, RI, TAMAX, TAMEAN, Volume Flow calculations
Appropriate factory setting according to applications

Clinical option measurement package

Abdominal
Liver
Common Hepatic Duct
Portal Vein Diameter
Gall Bladder: Length, Height, Wall Thickness
Common Bile Duct
Pancreas: Head, Body, Tail, Duct
Spleen
Left/Right Kidney: Length, Width, Height, Volume, Cortical Thickness
Left/Right Adrenal Gland: Length, Width, Height
Abdominal Aorta Diameter
Abdominal Aorta Bifurcate Diameter
Hepatic Vein: Left Hepatic Vein, Middle Hepatic Vein, Right Hepatic Vein
Spleenic Vein
Left/Right Renal Artery, Main Renal Artery, Renal Artery Origin, Aneurysm, Segmental Artery, Interlobar Artery, Renal Vein
Abdominal Aorta
Celiac Axis
Superior Mesenteric Artery
Inferior Vena Cava
Superior Mesenteric Vein

Gynecology
Cervix: Length, Width, Height
Uterus: Length, Width, Height, Volume, Uterus body, Endometrium Thickness
UT-L/LX-L
Ovary: Length, Width, Height, Volume
Follicle: Length, Width, Height, Average Diameter, Volume

Obstetrics
Early OB: GS, YS, CRL, BPD, FL, NT, Amniotic Fluid
2nd-3rd Trimester: BPD, HC, OFD, FL, AC, AF, NF, PI, Thickness, TAD, APAD, TCO, Cisterna Magna, HW, OOD, IOO, Orbit, HUM, Ulna, RAD, Tibia, FIB, CLAV, Vertebral, MP, Foot, Ear, APTD, TTD, TAF, THD, Htc, TC, Umb-VD, F-Kidney, Mat Kidney, Cervix L
Fetal Heart: LVDD, LVIDS, LA Diam, RVDD, RVIDs, RV Diam, RA Diam, IVSD, IVSS, IVC, LV Area, RV Area, RA Area, Ao Diam, MPA Diam, LVOT Diam, RVO Diam

Gestational Age
Fetal Growth
Fetal Trend Graph
Estimated Fetal Weight
Multi-gestational Calculations
Fetal Biophysical Profile
User definable OB tables

Z-score

Cardiology
LV Function: Teichholz, Cube, Gibson, Simpson Single-plane, Simpson Bi-plane, Modified Simpson, Bullet, S-P Ellipse, B-P Ellipse
LV Mass: Area-Length Method, Truncated-Ellipsoid Method, Cube Method
Atrial Volume: LA Vol(A-L), LA Vol(Simpson), RA Vol(Simpson)
LVIMP
LV TEI, RV TEI
Qp/Qs
PI/AR, TR, PR
MVA(VTI), AVA(VTI)
MV medial/lateral (TDI)

Urology
Prostate: Length, Width, Height, Volume
PSA, PSAD
Ureter Diameter
Bladder: Length, Width, Height, Volume, micturition volume
Left/Right Kidney: Length, Width, Height, Volume, Cortical Thickness
Left/Right Adrenal Gland: Length, Width, Height
Left/Right Testes: Length, Width, Height
Left/Right Seminal Vesicle: Length, Width, Height

Vascular
Carotid: CCA, ECA, ICA, Bulb, Vert, A, Subclav A
Upper Extremity Artery: Subclav A, Axill A, Brachial A, Radial A, Ulnar A, Innom A
Upper Extremity Vein: Cephalic V, Basilic V, Ulnar V, Radial V
Lower Extremity Artery: CFA, SFA, Pop A, TP Trunk A, Peroneal A, PTib A, A.Tib A, Dors. Ped A
Lower Extremity Vein: C.Iliac V, Ex.Iliac V, Femoral V, Saph V, Pop V, TP Trunk V, Sural V, Soleal V, Peroneal V, PTib V, A.Tib V
TCD (Transcranial Doppler): ACA, MCA, PCA, Basilar, A.Comb A, P.Comb A, Vertebral A, Basilar A

Small Parts
Thyroid: Length, Height, Width, Volume
Isthmus: Height
Testis: Length, Height, Width
Mass: Length, Height, Weight, Nip, Distance, Skin Distance
Superior Thyroid Artery
Inferior Thyroid Artery

Orthopedics
Hip
d/D

IMT
Intima-Media Thickness measurement
Automatic detection of IMT when ROI is set
Support CCA, ICA, ECA, Bulb IMT
Near wall and far wall detection
Angle selectable

Smart OB
Auto measurement for OB, a special tool for easy OB scan, and greatly reduce time and increase productivity
Support BPD, HC, OFD, FL, AC
Initiating AC should input GA first
Measurement result can be modified by user

Report
Specific report template to the application
Editable value in report
Images are selectable
Support anatomical graphics in vascular reports
Titles are pre-settable in setup
User configurable templates
Export as PDF/RTF format

Mindray North America
**Performance Specifications**

<table>
<thead>
<tr>
<th>Application</th>
<th>Bandwidth</th>
<th>Number of Elements</th>
<th>Convex Radius</th>
<th>B-mode Frequencies</th>
<th>Harmonic Frequencies</th>
<th>Doppler Frequencies</th>
<th>Biopsy Guide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adult Abdomen, Pediatric Abdomen, OB/GYN, Vascular, Nerve</td>
<td>2.1 – 5.1MHz(-6dB); 1.5 – 5.6MHz(-20dB)</td>
<td>128</td>
<td>51mm</td>
<td>1.3 – 3.2, 1.9 – 4.6, 2.3 – 5.7MHz</td>
<td>4.0, 5.0, 6.0MHz</td>
<td>2.0, 2.5, 3.0MHz</td>
<td>Available, multi angle, reusable</td>
</tr>
<tr>
<td>OB/GYN, Adult Abdomen, Pediatric Abdomen, Vascular</td>
<td>2.8 – 7.1MHz(-6dB); 2.2 – 8.1MHz(-20dB)</td>
<td>192</td>
<td>51mm</td>
<td>2.6 – 4.8, 3.6 – 6.4, 3.6 – 7.2MHz</td>
<td>5.5, 6.0, 6.5MHz</td>
<td>3.0, 3.3, 3.6MHz</td>
<td>Available, multi angle, reusable (not in SFDA)</td>
</tr>
<tr>
<td>OB/GYN, Urology</td>
<td>4 – 10MHz(-6dB); 3 – 11.2MHz(-20dB)</td>
<td>128</td>
<td>12mm</td>
<td>2.6 – 6.5, 3.2 – 7.9, 4.7 – 12.8MHz</td>
<td>7.0, 8.0, 9.0MHz</td>
<td>4.4, 5.0, 5.7MHz</td>
<td>Available, single angle, reusable</td>
</tr>
<tr>
<td>OB/GYN, Abdomen</td>
<td>2.1 – 5.4MHz(-6dB); 1.4 – 6.4MHz(-20dB)</td>
<td>128</td>
<td>41mm</td>
<td>2.6 – 4.8, 3.6 – 6.4, 3.8 – 8.2MHz</td>
<td>5.5, 6.0, 6.5MHz</td>
<td>2.5, 3.0, 4.0MHz</td>
<td>Not available</td>
</tr>
<tr>
<td>OB/GYN, Abdomen</td>
<td>2.0 – 11.8MHz(-6dB); 3 – 13MHz(-20dB)</td>
<td>192</td>
<td>19mm</td>
<td>2.6 – 4.8, 3.6 – 6.4, 3.8 – 8.2MHz</td>
<td>5.5, 6.0, 6.5MHz</td>
<td>2.5, 3.0, 4.0MHz</td>
<td>Not available</td>
</tr>
<tr>
<td>Small parts, Vascular, Musculoskeletal, Nerve, Pediatrics</td>
<td>4.2 – 11.8MHz(-6dB); 3 – 13MHz(-20dB)</td>
<td>192</td>
<td>19mm</td>
<td>2.6 – 4.8, 3.6 – 6.4, 3.8 – 8.2MHz</td>
<td>5.5, 6.0, 6.5MHz</td>
<td>2.5, 3.0, 4.0MHz</td>
<td>Not available</td>
</tr>
</tbody>
</table>

**Biopsy Guide**
- Available, multi angle, reusable
- Available, single angle, reusable

### L14-6NE
- Application: Small parts, Vascular, Musculoskeletal, Nerve, Pediatrics
- Bandwidth: 5.1 – 12.5MHz(-6dB); 3.5 – 16MHz(-20dB)
- Number of Elements: 256
- Field of View (max): 100mm
- Steered Angle: +/-6°,12°(B); +/-10°, 20° (C, PW)
- B-mode Frequencies: 4.8 – 10.6, 5.4 – 11.6, 6.6 – 13.5MHz
- Harmonic Frequencies: 8.0, 10.0, 12.0MHz
- Doppler Frequencies: 5.0, 5.7, 6.6MHz
- Biopsy Guide: Available, multi angle, reusable

### L14-6WE
- Application: Small parts, Vascular, Musculoskeletal, Nerve, Pediatrics
- Bandwidth: 5.1 – 12.5MHz(-6dB); 3.5 – 16MHz(-20dB)
- Number of Elements: 256
- Field of View (max): 50mm
- Steered Angle: +/-6°,12°(B); +/-10°, 20° (C, PW)
- B-mode Frequencies: 4.8 – 10.6, 5.4 – 11.6, 6.6 – 13.5MHz
- Harmonic Frequencies: 8.0, 10.0, 12.0MHz
- Doppler Frequencies: 5.0, 5.7, 6.6MHz
- Biopsy Guide: Available, multi angle, reusable

### Phased array
- Application: Adult cardiac, Pediatric Cardiac, TCD, Adult Abdomen
- Bandwidth: 1.7 – 4.1MHz(-6dB); 1.3 – 4.7MHz(-20dB)
- Number of Elements: 64
- Field of View (max): 90°
- B-mode Frequencies: 1.3 – 3.2, 1.6 – 3.8, 2.2 – 5.4 MHz
- Harmonic Frequencies: 3.4, 3.6, 3.8, 4.2 MHz
- Doppler Frequencies: 2.0, 2.3, 2.5 MHz; TDI 3.0, 3.8MHz
- CW Frequency: 2.0MHz
- Biopsy Guide: Available, multi angle, reusable

### Linear array
- Application: Small parts, Vascular, Musculoskeletal, Nerve, Pediatrics
- Bandwidth: 4.2 – 11.8MHz(-6dB); 3 – 13MHz(-20dB)
- Number of Elements: 192
- Steered Angle: +/-6°,12°(B); +/-10°, 20° (C, PW)
- B-mode Frequencies: 4.4 – 9.6, 5.4 – 11.5, 6.6 – 13.5MHz
- Harmonic Frequencies: 8.0, 9.0, 10.0MHz
- Doppler Frequencies: 4.4, 5.0, 5.7MHz
Performance Specifications

Peripheral Devices and Accessories (Option)

Black/white digital video printer
- SONY UP-D897, MITSUBISHI P93DC
- SONY UP-D897MD, MITSUBISHI P93W-Z

Color printer
- SONY UP-D23MD, SONY UP-D25MD

Black/white analog video printer
- SONY UP-897MD, MITSUBISHI P93W-Z

Color analog printer
- SONY UP-20, MITSUBISHI CP910E

Graph/text printer
- HP Officejet J3600, HP Officejet6000, HP Color LaserJet CM1015 MFP, HP Deskjet1280, Epson office 85ND

Wireless printer
- HP ONSMART PLUS e-ALL-IN-ONE B 210a

Built-in DVR
- Built-in digital video recorder, save space and is a useful tool for education and memory
- Max storage length each time: 30 min

Gel warmer
- Enables gel warming
- Easily be disassembled off system for cleaning
- Temperature: 25°C ± 3°C
- Light indicator for temperature protecting
- Switch: On/Off
- Dimension: 77.8mm (W) × 79mm (D) × 151.4mm (H)
- Weight: approx. 380g

Footswitch
- USB port: 971-SWNOM (2-pedal)
- USB port: SP-997-350 (3-pedal)
- Support User-definable functions (Freeze, Save, Print)

ECG
- 6-pin, AHA/IEC, for 3-lead wires
- ECG wave display: On/Off
- Gain
- Sweep speed

PCG
- PCG wave display: On/Off
- Gain
- Smooth

Barcode reader
- Laser barcode scanner
- Model: SYMBOL LS2208

Built-in Wireless adapter
- Encryption: WEP, WPA-PSK, WPA2-PSK
- Max transfer speed
- Protocols: 802.11b: 11, 5.5, 2, 1 Mbps; 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps; 802011n: up to 300 Mbps

Built-in Battery
- Model: LI231002A
- Replaceable and rechargeable lithium battery
- Support switching into standby mode when exterior power is intermitted
- Full battery lasts more than 24h in standby mode
- Light indicator for standby mode
- Empty battery recharged to full in less than 8h

System Inputs and Outputs

Video/Audio input
- Video in
- S-Video in
- Audio in
- Microphone

Video/Audio output
- Video out
- S-Video out
- HDMI
- VGA out
- DVI
- Audio out

Physio input
- Support ECG/PCG signal
- ECG
- PCG

Other input/output
- USB
- Ethernet
- Remote
- RS-232 port

Safety and Conformance

Quality standards
- ISO 9001
- ISO 13485

Design standards
- CSA C22.2 No. 601-1
- EN 60601-1 and IEC 60601-1
- EN 60601-1-2 and IEC 60601-1-2
- EN 60601-1-6 and IEC 60601-1-6
- EN 60601-2-37 and IEC60601-2-37
- EN 62304 and IEC 62304
- EN 62366 and IEC 62366
- EN ISO 17664 and ISO 17664

CE declaration
DC-8 system is fully in conformance with the Council Directive 93/42/EEC Concerning Medical Devices. The number adjacent to the CE marking (0123) is the code of the EU-notified body that certified meeting the requirements of Annex II excluding (4) of the Directive.