DC-8 Diagnostic Ultrasound System

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
Depth: 585mm
Weight: 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

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
### DC-8 Diagnostic Ultrasound System

#### Performance Specifications

**User Interface (cont’d)**

**Screen information***

**Common info:**
- Mindray logo
- Hospital name, Exam date, Exam time
- Acoustic output indices
- Freeze icon
- Gender, Age, ID, Last name, First Name, Middle initial
- Probe model
- ECG icon (when ECG connected)
- Operator
- Mechanical index
- TGC Curve
- Focus position
- Thumbnail
- Imaging parameters
- Help guidance
- Dynamic Trackball indices

*Not all items are listed in this part, detail info please refer to user manual

**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
- Ex’FOV: 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
- Image quality: HPen/HPen/HRex

**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: HPen/HPen/HRex
- Max velocity
- Steer
- Acoustic output power
- Gain
- ROI size/position: Adjustable
- Scale
- Baseline
- Wall filter
- PRF
- Packet size
- Flow state: L/M/H
- Smooth
- B/C align
- Priority
- Color map
- Directional color map
- Persistence
- Line density: L/M/H/UH

**Power Doppler Imaging**

- Dual live: Side by side displays B and B+PDI
- HR Flow: High Resolution Flow provides better image quality and sensitivity
- Support directional power doppler
- Image quality: Pen/Gen/Res
- Acoustic output power
- Dynamic range
- Gain
- ROI size/position: Adjustable
- Steer
- Scale
- Wall filter
- PRF
- Packet size
- Flow state: L/M/H
- Smooth
- B/C align
- Priority
- Color map
- Directional color map
- Persistence
- Line density: L/M/H/UH

**PW/CW-Mode**

- Display formats: V2:3, V3:2, V3:1, H2:3, FULL, Duplex/Triplex (PW only)
- 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
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
- Scale
- 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)

Smart 3D
- 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:
  - iScape View (Panoramic Imaging, option)
  - Available on all transducers
  - Acquisition method: B
  - Supports speed indicator
  - Actual size: On/Off
  - Fit size: On/Off
  - Ruler: On/Off
  - Tint map
  - Rotation

Zoom
- Zoom:
  - Spot zoom and read zoom
- iZoom
- QSave
  - 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 angel correction quick angel invert dynamic range gray map tint map

Performance Specifications

DC-8 Diagnostic Ultrasound System

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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
- Iliac Diameter
- Bladder: Length, Width, Height, Volume, micturition volume
- Common Hepatic Artery
- Hepatic Artery
- Portal Vein, Main Portal Vein
- Hepatic Vein, Left Hepatic Vein, Middle Hepatic Vein, Right Hepatic Vein
- Splenic Artery
- Splenic Vein
- Left/Right Renal Artery, Main Renal Artery, Renal Artery Origin, Arcuate Artery, Segmental Artery, Interlobar Artery, Renal Vein
- Abdominal Aorta
- Celiac Axis
- Superior Mesenteric Artery
- Inferior Vena Cava
- Superior Mesenteric Vein

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

Obstetrics
- Early OB: GS, YS, CRL, BPD, FL, NT, Amniotic Fluid
- Fetal Heart: LVDD, LVDDS, LV Diam, LA Diam, RVDD, RVDS, RV Diam, RA Diam, IVSD, IVSS, IVS, LV Area, RV Area, RA Area, Ao Diam, MPA Diam, LVOT Diam, RVOT 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)
- LVEDP
- LV TEL, RV TEL
- Op/Oi
- PISA: AR, TR, PR
- MVA(VTI), AVA(VTI)
- MV medial/lateral (TDI)

Urology
- Prostate: Length, Width, Height, Volume
- PPSA, 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 Tests: Length, Width, Height
- Left/Right Seminal Vesicle: Length, 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
- TCD (Transcranial Doppler): ACA, MCA, PCA, Basilar, A.Comba A, P.Comba A, Vertebral A, Basilar A

Small Parts
- Thyroid: Length, Height, Width, Volume
- Isthmus: Height
- Tests: Length, Height, Width
- Mass: Length, Height, Width, Hip, 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
### Performance Specifications

**Measurement/Analysis and Report** *(cont’d)*

* Not all measurements are listed in this part; For more detailed information please refer to User Manual

#### Exam Storage and Management

<table>
<thead>
<tr>
<th>DC-8 Diagnostic Ultrasound System</th>
<th>Performance Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Application:</strong></td>
<td><strong>Adult Abdomen, Pediatric Abdomen, OB/GYN, Vascular, Nerve</strong></td>
</tr>
<tr>
<td><strong>Bandwidth:</strong></td>
<td><strong>2.1 – 5.1MHz(-6dB), 1.5 – 5.6MHz(-20dB)</strong></td>
</tr>
<tr>
<td><strong>Number of Elements:</strong></td>
<td><strong>128</strong></td>
</tr>
<tr>
<td><strong>Convex Radius:</strong></td>
<td><strong>51mm</strong></td>
</tr>
<tr>
<td><strong>B-mode Frequencies:</strong></td>
<td><strong>1.3 – 3.2, 1.9 – 4.6, 2.3 – 5.7MHz</strong></td>
</tr>
<tr>
<td><strong>Harmonic Frequencies:</strong></td>
<td><strong>4.0, 5.0, 6.0MHz</strong></td>
</tr>
<tr>
<td><strong>Doppler Frequencies:</strong></td>
<td><strong>2.0, 2.5, 3.0MHz</strong></td>
</tr>
<tr>
<td><strong>Biopsy Guide:</strong></td>
<td><strong>Available, multi angle, reusable</strong></td>
</tr>
</tbody>
</table>

#### C7-3E

| **Application:** | **OB/GYN, Adult Abdomen, Pediatric Abdomen, Vascular** |
| **Bandwidth:** | **2.8 – 7.1MHz(-6dB), 2.2 – 8.1MHz(-20dB)** |
| **Number of Elements:** | **192** |
| **Convex Radius:** | **51mm** |
| **B-mode Frequencies:** | **2.6 – 6.5, 3.2 – 6.4, 3.6 – 7.2MHz** |
| **Harmonic Frequencies:** | **5.5, 6.0, 6.5MHz** |
| **Doppler Frequencies:** | **3.0, 3.3, 3.6MHz** |
| **Biopsy Guide:** | **Available, multi angle, reusable** *(not in SFDA)* |

#### V11-3E

| **Application:** | **OB/GYN, Urology** |
| **Bandwidth:** | **4 – 10MHz(-6dB), 3 – 11.2MHz(-20dB)** |
| **Number of Elements:** | **128** |
| **Convex Radius:** | **12mm** |
| **B-mode Frequencies:** | **2.6 – 6.5, 3.2 – 7.9, 4.7 – 12.8MHz** |
| **Harmonic Frequencies:** | **7.0, 8.0, 9.0MHz** |
| **Doppler Frequencies:** | **4.4, 5.0, 5.7MHz** |
| **Biopsy Guide:** | **Available, single angle, reusable** |

#### Volume curved array

| **Application:** | **OB/GYN, Abdomen** |
| **Bandwidth:** | **2.1 – 5.4MHz(-6dB), 1.4 – 6.4MHz(-20dB)** |
| **Number of Elements:** | **128** |
| **Convex Radius:** | **41mm** |
| **Volume Sweep Radius:** | **19mm** |
| **B-mode Frequencies:** | **2.6 – 4.8, 3.6 – 6.4, 3.8 – 8.2MHz** |
| **Harmonic Frequencies:** | **5.5, 6.0, 6.5MHz** |
| **Doppler Frequencies:** | **2.5, 3.0, 4.0MHz** |
| **Biopsy Guide:** | **Not available** |

#### 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** |

| **Application:** | **Available, multi angle, reusable** |
| **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** |

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**Diagnosis Ultrasound System**

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DC-8 Diagnostic Ultrasound System

Performance Specifications

Peripheral Devices and Accessories (Option)

Black/white digital video printer
SONY UP-D897, MITSUBISHI P93DC
Black/white analog video printer
SONY UP-897MD, MITSUBISHI P93W-Z
Color digital printer
SONY UP-D23MD, SONY UP-D25MD
Color analog printer
SONY UP-20, MITSUBISHI CP910E
Graph/text printer
HP Officejet J3600, HP Officejet6000, HP Color LaserJet CM1015 MFP, HP Deskjet 280, Epson office 85ND
Wireless printer
HPOTOSMART 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: LJ231002A
- Replaceable and rechargeable lithium battery
- Support switching into standby mode when exterior power is interrupted
- 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