

DS-1800 Central Station

General Specifications

Dimensions (W x H x D) (not including the protrusion)

26.0 x 18.6 x 8.3 inch ± 0.4 inch
660 x 473 x 210 mm ± 10 mm

Weight (not including the optional accessories)

28.7 lb ± 6.6 lb / 13 kg ± 3 kg

Display

Display Element	Color LCD with Touch Panel
Size	27 inch (diagonal) wide
Resolution	1920 pixel x 1080 pixel (Full HD)
Waveform Trace	Stationary Trace
Touch Panel	Capacitive Touch Panel

Sweep Speed

Circulatory	12.5, 25 mm/s
Respiratory	6.25, 12.5, 25 mm/s

Parameters*

ECG, RESP, TEMP, SpO2/SpO2-2 (Nellcor™/Masimo®), Pulse Rate, BP1-8, NIBP, CO2, O2, N2O, AGENT, SvO2, CCO, CCI, BT, SpCO, SpMet, SpHb, MVe, TVe, TVi, PEAK, PEEP, MEAN, ScvO2, rSO2, BIS™

Waveform*

ECG, RESP, BP, SpO2/SpO2-2 (Nellcor™/Masimo®), CO2, O2, AGENT, AWP, AWF, AWV

Arrhythmia Analysis (28)**

Asystole, VF, VT, Slow VT, Run, Couplet, PAUSE, Bigeminy, Trigeminy, Frequent, Tachy, Brady, Ext Tachy, Ext Brady, R on T, Multiform, Vent Rhythm, SVT, AFib, Irregular RR, Prolonged RR, Pacer Not Capture, Pacer Not Pacing, Triplet, S Frequent, S Couplet, VPC, SVPC

Scoring Function**

EWS1, EWS2, qSOFA, NEWS2

ECG

Depends on the bedside monitor

Respiration

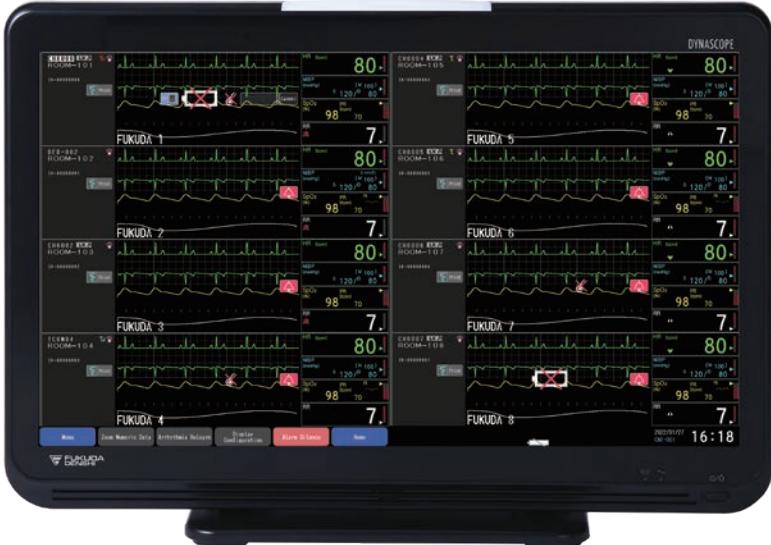
Depends on the bedside monitor

Blood Pressure

Depends on the bedside monitor

Non-Invasive Blood Pressure

Depends on the bedside monitor



SpO2

Depends on the bedside monitor

Temperature

Depends on the bedside monitor

CO2 Concentration

Depends on the bedside monitor

Gas Concentration

Depends on the bedside monitor

Environmental Conditions				
Operating Temperature	10°C to 40°C			
Operating Humidity	30% to 85% (non-condensing)			
Transport/Storage Temperature	-10°C to 60°C			
Transport/Storage Humidity	10% to 95% (non-condensing)			
Storage Atmospheric Pressure	80 kPa to 106 kPa			
Safety				
General Safety Standard	ANSI/AAMI ES 60601-1: 2005 / (R) 2012 A1: 2012, C1: 2009 / (r) 2012 A2: 2010 / (r) 2012			
EMC Standard	IEC 60601-1-2: 2014			
Protection Against Electrical Shock	Class I Equipment/Internally Powered Equipment			
Operation Mode	Continuous Operating Equipment			
Power Supply		Battery for Operating the Equipment		
Rated Voltage	115 V AC	Operation Time 60 minutes and more (at 23°C)		
Frequency	50/60 Hz	Charging Time 2.5 hours (during standby), 5 hours (during normal operation)		
Power Consumption	100 VA and below			
Data Review				
Graphic Trend, Tabular Trend, Recall, Full Disclosure Waveform (Maximum of 336 hours when SD card: FSD-64G is used)				
Recorder Specification				
Printing Waveforms	3 waveforms (maximum)			
Printing Speed	25 mm/sec., 50 mm/sec.			
Waveform Type	ECG, RESP, BP, SpO2, IBP, CO2, O2, AGENT, AWF, AWP, AWV			
Protective Circuit	Provided			
Network Configuration				
DS-LAN III Network, Wireless System				
Telemetry Reception		Input/Output Interface		
Number of Receiving Beds	Maximum of 12 beds (Externally expandable to 32 bed display maximum)	Serial Connector (COM1 to COM2) Status Input/Output Connectot (Status II) DS-LAN Connector		
Reception Frequency	608 - 614 MHz 1395 - 1400 MHz 1427 - 1432 MHz (all externally expandable)	USB Connector External Monitor Connector U-LINK Connector LAN Connector SD Card Slot 1, 2 Standby Switch		
Bandwidth of the Receiving Section of the ME Equipment in those bands	12.5 kHz (608 - 614 MHz) 25.0 kHz (1395 - 1400 MHz, 1427 - 1432 MHz)	Infrared Remote Control Input Antenna Connector 1, 2 AUX Connector Extended Display Output Connector Extended Display Unit Connector		
Antenna Connector	F Type			
DC Power Output	+12 V 100 mA (Default: OFF)			

