

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)

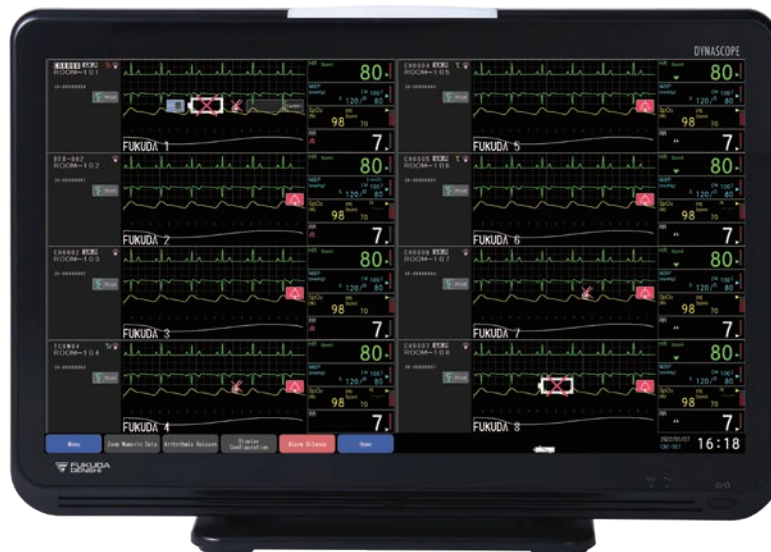
28.7 lb ± 6.6 lb / 13 kg ± 3 kg

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, AWW

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

*Displayed waveform and vital sign parameters displayed depends upon the device connected

**Depends on the bedside monitor or telemetry device connected to the network

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	
Rated Voltage	115 V AC
Frequency	50/60 Hz
Power Consumption	100 VA and below

Battery for Operating the Equipment	
Operation Time	60 minutes and more (at 23°C)
Charging Time	2.5 hours (during standby), 5 hours (during normal operation)

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	
Number of Receiving Beds	Maximum of 12 beds (Externally expandable to 32 bed display maximum)
Reception Frequency	608 - 614 MHz 1395 - 1400 MHz 1427 - 1432 MHz (all externally expandable)
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)
Antenna Connector	F Type
DC Power Output	+12 V 100 mA (Default: OFF)

Input/Output Interface	
Serial Connector (COM1 to COM2)	
Status Input/Output Connectot (Status II)	
DS-LAN Connector	
USB Connector	
External Monitor Connector	
U-LINK Connector	
LAN Connector	
SD Card Slot 1, 2	
Standby Switch	
Infrared Remote Control Input	
Antenna Connector 1, 2	
AUX Connector	
Extended Display Output Connector	
Extended Display Unit Connector	



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