Specification

Dimensions (not including the protrusion)	
660 (W) mm x 473 (H) mm x 210 (D) mm ± 10 mm / 26.0 (W) inch x 18.6 (H) inch x 8.3 (D) inch ± 0.4 inch	

Weight (not including the optional accessories)	
13 kg ± 3 kg / 28.7 lb ± 6.6 lb	

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

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)

Performance

*Depends on the bedside monitor and telemetry device connected to the network. Also the displayed items depend on the equipment itself.

Display	
Display Element	Color LCD with Touch Panel
Size	27 inch wide
Resolution	1920 pixel x 1080 pixel (Full HD)
Beds	Max. 32 Beds
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, Pulse Rate, BP1-8, NIBP, CO2, O2, N2Ograph, AGENT, SvO2, CCO, CCI, BT, SpCO, SpMet, SpHb, MVe, TVe, TVi, PEAK, PEEP, MEAN, ScvO2, rSO2, BIS	

Waveform°	
ECG, RESP, BP, SpO2/SpO2-2, 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	

Network Configuration	
DS-LAN III Network, Telemetry System	

Built-in 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 externally expandable)
Antenna Connector	F Type

DYNASCOPE
Central Station
DS-1800 System

IMAGINE THE FUTURE OF HEALTHCARE

NEW

http://www.fukudaamerica.com

FUKUDA | *Accessible Healthcare for Everyone*

FUKUDA DENSHI USA, INC.
17725-C NE 65th Street Redmond, WA 98052
Toll Free: (800) 365-6668 / Local: (425) 881-7737 / Fax: (888) 224-7090

FUKUDA
Accessible Healthcare for Everyone

27-inch Large Display

Good visibility is achieved by employing an enriched brightness on a wide-angle High-definition display. A smooth operation is possible by implementing the capacitive touch panel that are used in smartphones. The AF (anti-fingerprint) coating prevents fingerprints and dirt from sticking to the surface providing a beautiful display throughout the medical scene.

Monitor Features

User friendly interface or data review

- Ability to review 12 Lead ECG reports with computerized analysis and multi-report comparisons
- Bed transfer or exchange from one central to another
- By using the optional SD card (FSD-64G), maximum of 336 hours of Full Disclosure data can be saved

Flexible display that fits your changing needs

- Easy layout programming
- Customizable user keys and shortcut keys
- Auto adjust the number of displayed patients
- Other Bed function allows for viewing any monitor on the network

Alarm Management

- Escalating alarms based on patient status
- 28 types of arrhythmias analyzed
- Alarm thresholds based on patient classification

Recorder

Optional built-in or external recorder unit.

Battery

Optional Lithium-Ion Battery can be installed inside.

Early Warning Score (EWS)

The Rapid Response System (RRS) is currently being introduced in many medical institutions worldwide as a system in which specialized teams perform early intervention and treatment based on established standards. The Early Warning Score (EWS) is a score of respiratory rate, body temperature, blood pressure, oxygen saturation, and level of consciousness. This information assists in the early recognition of a patient's deterioration thus triggering the Rapid Response System (RRS) allowing for patient management based on current best practice standards.

28 Types of Arrhythmia Analysis Algorithms

An arrhythmia analysis algorithm with 28 types of arrhythmias is installed as standard to quickly analyze arrhythmias that lead to sudden changes. This is the most of any central station used in medical settings and notifies you with both an audible and visual alarm.

Unique "AF Analysis Flow"

Along with the 28 types of arrhythmia analysis algorithm, the DS-1800 is equipped with an original atrial fibrillation (AFib) analysis flow. We are utilizing the analysis technology cultivated through our ECG holter analysis in the development of our central stations.

Start
01 Signal Quality Check
02 QRS Detection
03 Parameter Measurement
04 QRS Determination
05 Arrhythmia Detection
End

Start
01 RR Interval Variation Check
02 P-wave Detection
03 AFib Start Determination
04 AFib End Determination
End