

Specification

Display type	15/19 inch LCD
Number of patients	16 patients
Waveforms	24 waveforms
Waveform displayed time	Max. 12.6 seconds (25mm/sec)
Sweep speed	Circulatory 12.5, 25mm/sec
Respiratory	6.25, 12.5, 25mm/sec
Waveform Display	Stationary trace mode
Operation	Touch screen, mouse
Parameters	Waveforms ECG, BP, SpO ₂ , RESP, CO ₂ , O ₂ , AGENT
	Measurements HR, ST, VPC, BP, SpO ₂ , RR, PR, APNEA, NIBP, TEMP, CO ₂ , SvO ₂ /CCO, 12ST, GAS_CO ₂ , GAS_O ₂ , GAS_N ₂ O, GAS_AGT
	Arrhythmia Event Asystole, VF, VT, Slow VT, Run, Couplet, Pause, Bigeminy, Trigeminy, Frequent, Tachy, Brady
Full Disclosure recording (depending on the CF card)	Recording time: Max. 96 hours (FCF-1000 : 8 waveforms/96 hours, FCF-16GA : 32 waveforms/96 hours)
ST Analysis	2Ch measurements
Graphic Trend parameters	HR, ST, VPC, BP1~6, NIBP, SpO ₂ , PR, RR, APNEA, CO ₂ , TEMP, SvO ₂ , CCO, CCI, BT, GAS_CO ₂ , GAS_O ₂ , O ₂ , GAS_N ₂ O, GAS_AGT
Graphic Trend time	Storage time 48 hours display 1, 2, 4, 8, 12 and 24 hours
Tabular Trend parameters	HR, ST, VPC, BP1~6, SpO ₂ , PR, RR, APNEA, CO ₂ , TEMP, SvO ₂ , CCO, CCI, BT, GAS_CO ₂ , GAS_O ₂ , GAS_N ₂ O, GAS_AGT
Tabular Trend time	Storage time 48 hours 1, 5, 10, 15, 30, 60 min intervals
NIBP list	120 measurements/patient
Recall List	200 events/patient (1 waveform display)
Input/Output connections	Serial connector (COM1, COM2, COM3) Status I/O connector (STATUSII-1) DS-LAN connector Slave monitor connector Extended Display connector Serial connector (COM4, only for DS-7700W series) Status I/O connector (STATUSII-2, only for DS-7700W series) TCP/IP LAN connector PC/CF card Antenna input connector
Equipment classification	Class I
Dimensions	DS-7700W Series 434(W) X 248(D) X 475(H) mm DS-7700 Series 350(W) X 244(D) X 387(H) mm However, neither the protrusion and antenna are included.
Weight	DS-7700W Series Approximately 14 kg DS-7700 Series Approximately 11.5 kg
Power consumption	Max. 150VA

Model	Display size	Extended Display unit (optional)	Maximum Network connection			Maximum of patients monitored
			Wireless	Hardwire		
				DS-LAN1*1	DS-LAN1*2	
DS-7700 Series						
DS-7700L	15 inch	×	4	48	100	16 beds
DS-7780			8	48	100	
DS-7700W Series						
DS-7700WL	19 inch	○	8	48	100	16 beds
DS-7780W			0	48	100	

*1 : Including the LW-5500/LW-7000 receiver *2 : Including the LW-7000 receiver

Options



Common name: Central monitor with analysis
Sales name: DYNASCOPE 7000 Series DS-7700 System
Controlled medical devices

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Distributed by:

DYNASCOPE
Central Monitor
7000 SERIES
DS-7700system

Medical equipment approval number: 22200BZX00135000



Never miss a beat
with our unique duel
display design.

Central Monitor DS-7700 system

Enables continuous, accurate
and clear monitoring of every patient,
the duel display gives unparalleled patient data clarity
and clear alarm identifications.

Fukuda Denshi is committed to develop leading edge
patient monitoring innovations.

Never miss a beat!

More Flexibility

Multi-display view

The optional LC-7019FT second display can be used as a slave monitor, an extended display for additional patients or as a patient data review screen.

Example: 8 patients + 8 patients display



Example: 8 patients + Full disclosure display



Example: slave display



List of display configuration

1 Bed 8 Waveforms	2 Beds 4 Waveforms	2 Beds 8 Waveforms
4 Beds 2 Waveforms	4 Beds 4 Waveforms	16 Beds 1 Waveforms
6 Beds 3 Waveforms	8 Beds 1 Waveforms	8 Beds 3 Waveforms
12 Beds 2 Waveforms	6 Beds 1 Waveforms	

More Precision

Arrhythmia Analysis

New Arrhythmia Analysis algorithm

Lots of false alarms impact the patient environment and reduce the effectiveness of the monitoring equipment.

Fukuda Denshi has improved the accuracy of the arrhythmia analysis by using our in house developed databases, including AHA, MIT-BIH and CU.

Our new arrhythmia analysis software improved dramatically the following performances:

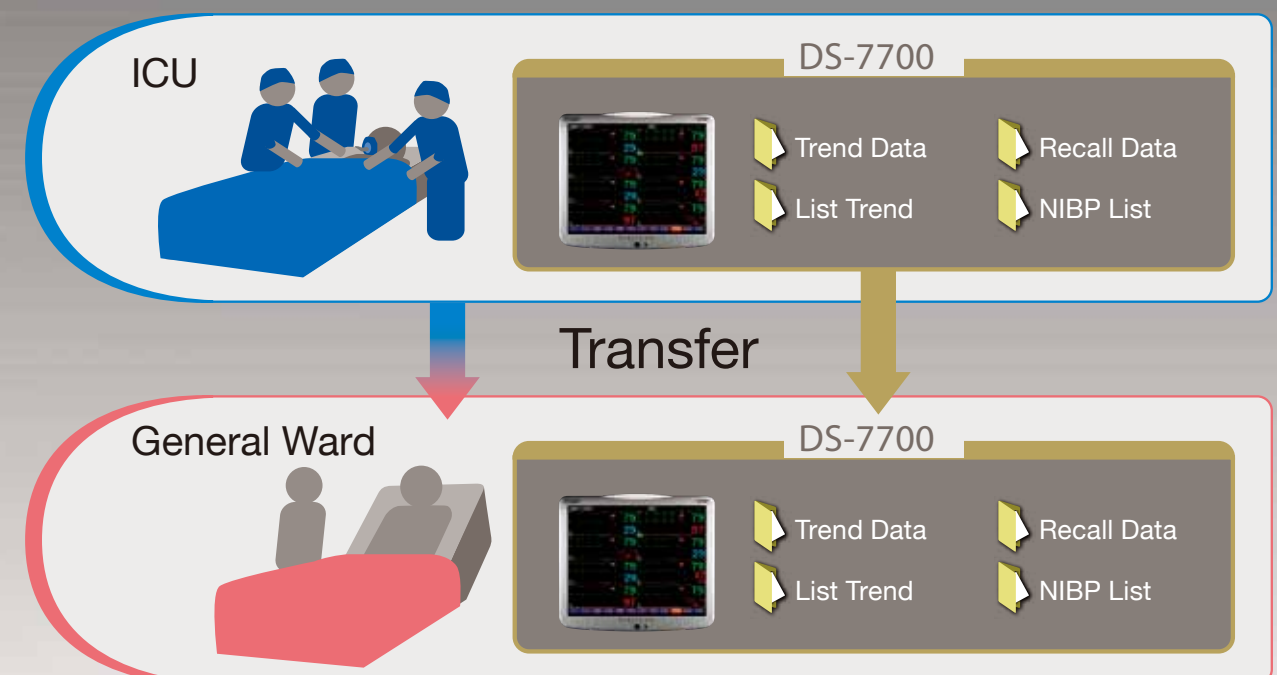
- ① Decreased false detection of arrhythmia during noise
- ② Improved the accuracy of QRS detection
- ③ Improved the accuracy of VF detection

※ We will prepare several materials about the new arrhythmia analysis software AA2.01 analytical performance and manner of operation.
(Technical report, code: C1M1101CK and Application note, code: C1M1102CK)

More Continuity

Patient data transfer or exchange between Central Monitors

Patient data transfer or exchange between Central Monitors via the TCP/IP network.



Multifunctional Display!

Various functionalities provide comprehensive monitoring.

Graphic Trend

Displays a maximum of 24 hours trendgraph in one screen.



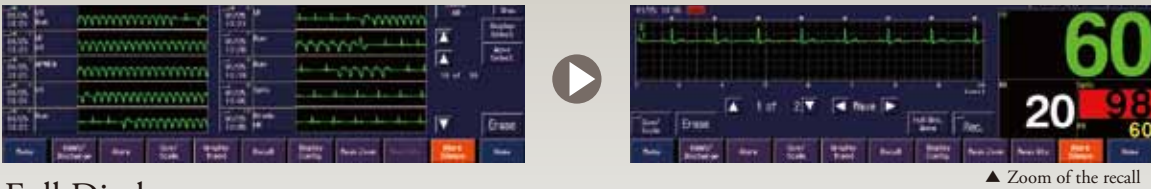
NIBP List

Displays NIBP with the following parameters:HR, SpO2 and PR



Recall

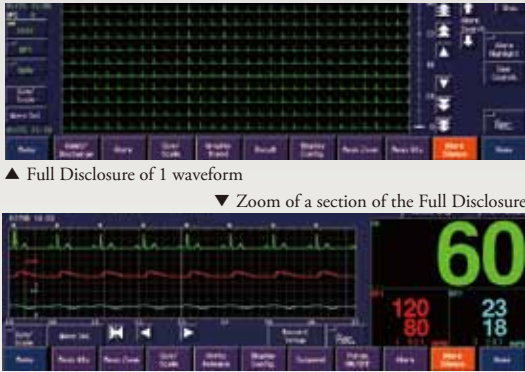
Displays all the alarm generated waveforms that have been saved for recall (maximum of 200 recalls).



▲ Zoom of the recall

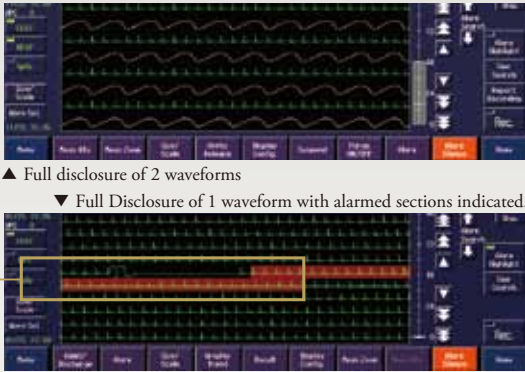
Full Disclosure (optional)

When using a 16GB CF card, 96 hours of Full Disclosure is possible



▲ Full Disclosure of 1 waveform

▼ Zoom of a section of the Full Disclosure




▲ Full disclosure of 2 waveforms

▼ Full Disclosure of 1 waveform with alarmed sections indicated.

Alarm points Indicated in a different background colour to easily identify the type of alarm.

Tabular Trend

Displays a maximum of 48 hours of data.



ST Measurements

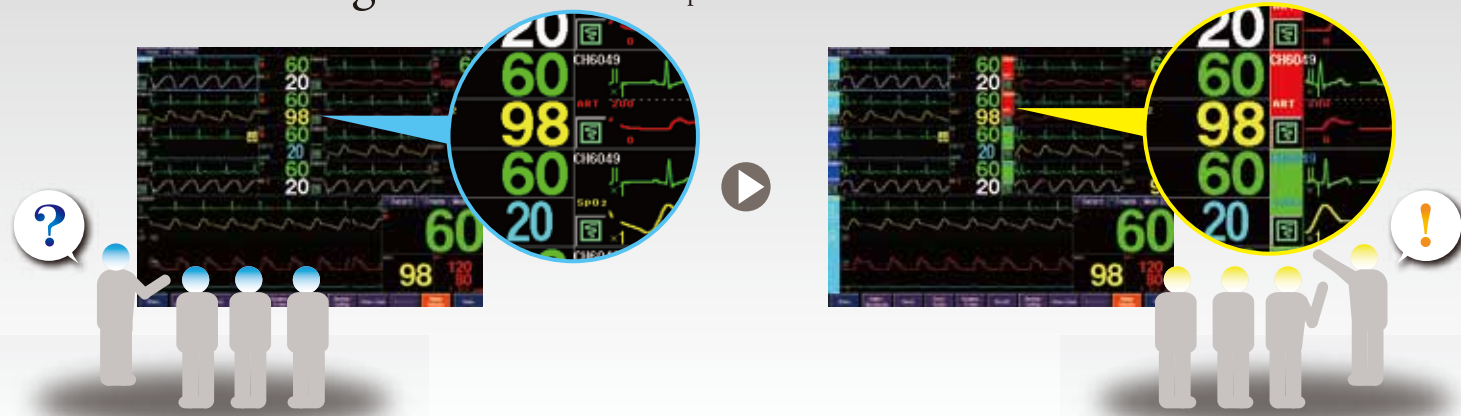
Displays the ST measurements.



Even more clarity!

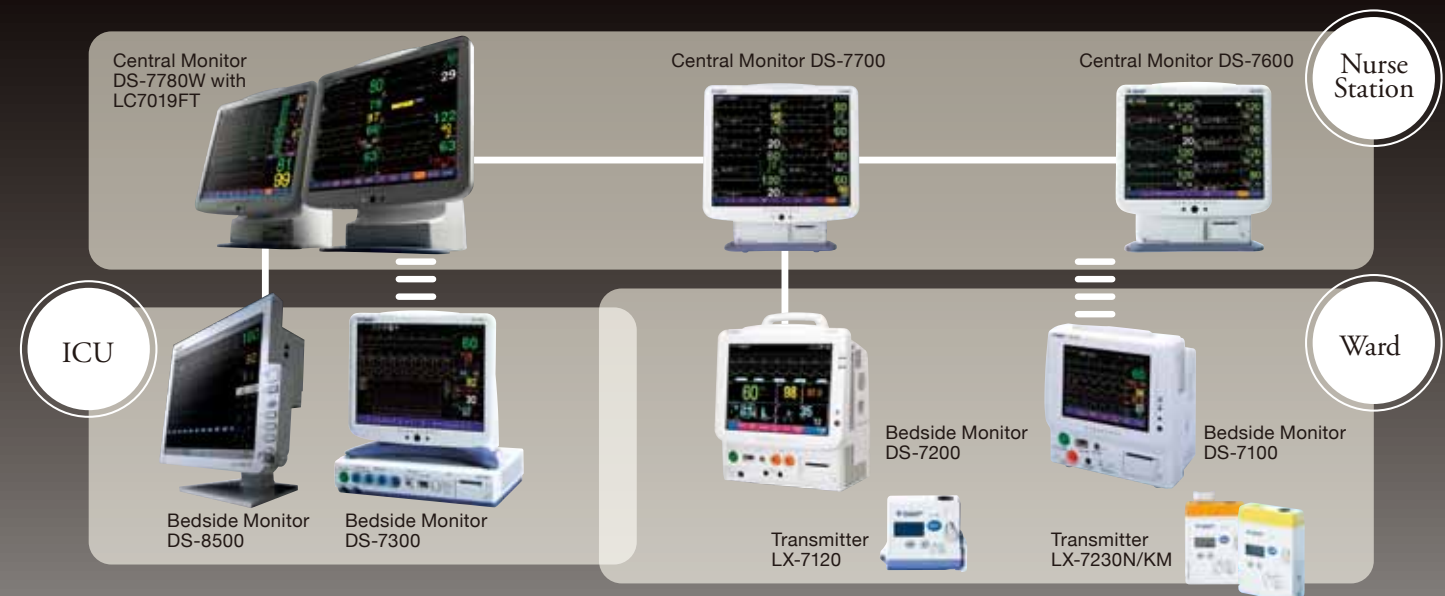
Team Nursing

Each patient is assigned to a nursing team colour and it becomes easier to follow the condition of the team's patient.



Wired/Wireless Network!
Enables patient care under a flexible system environment

If the Central monitor is connected to DS-LAN, other bedside information from different wards can be viewed.
The DS-7700 Series offers an optimum system for every institution.



Access vital data from the web within the hospital.

DynaBase CVW-6000

Stores patient data (patient information, waveforms, measurement values, alarms, etc) from Central Monitor(s) connected to the TCP/IP network.

Can access from anywhere within the hospital vital data.

Stored patient data on the DynaBase server can be reviewed from Web browser on client PCs connected to the TCP/IP network of the Hospital. Patient data can be stored not only during hospitalization but also following discharge from Hospital (default: 14 days after discharge).

Example of an Hospital Network

