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_2O, 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_2O, 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_2O, 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

Options

CF card	FCF-128
	(for data transfer)
	FCF-1000
	(for full disclosure)
	FCF-16GA
	(for full disclosure)
Recording paper	OP-124TE
Cleaning cloth	OA-57
Whip Antenna	FUKU-435LF
(except for the DS-7700L and USA market)	
DS-7700 central monitor bar code reader holder	OAO-13A
Diversity Antenna base	OAO-37A
LAN interface cable (For DS-LAN/length 1m)	CJ-522A
LAN interface cable (For DS-LAN/length 2m)	CJ-522B
LAN interface cable (For DS-LAN/length 4m)	CJ-522C
LAN interface cable (For DS-LAN/length 10m)	CJ-522D
LAN interface cable (For DS-LAN/length 20m)	CJ-522E
TCP/IP LAN cable (cross)	CJ-761
RS-232C cable (cross)	CJ-725
RS-232C cable	CJ-725
Relay cable (straight)	CJ-726
Bar code reader	HS-505-FD
Digital Display connection cable (length 3m)	CJZ-01SS3
Digital Display connection cable (length 5m)	CJZ-01SS5
Digital Display connection cable (length 10m)	CJZ-01SS10
Display cable	FD-C39(J)

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

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

Options

Display Unit
LC-7019FT

Digital Telemetry Receiver
LW-7080

Laser Printer   Connection cable
LBP-3410   CJ-761

Trolley
OT-109

FUKUDA DENSHI reserves the right to change specifications without notice.

$C\epsilon$ 2797

Printed in Japan   Cat. No. 156190Ⓝ

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

More Continuity

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.

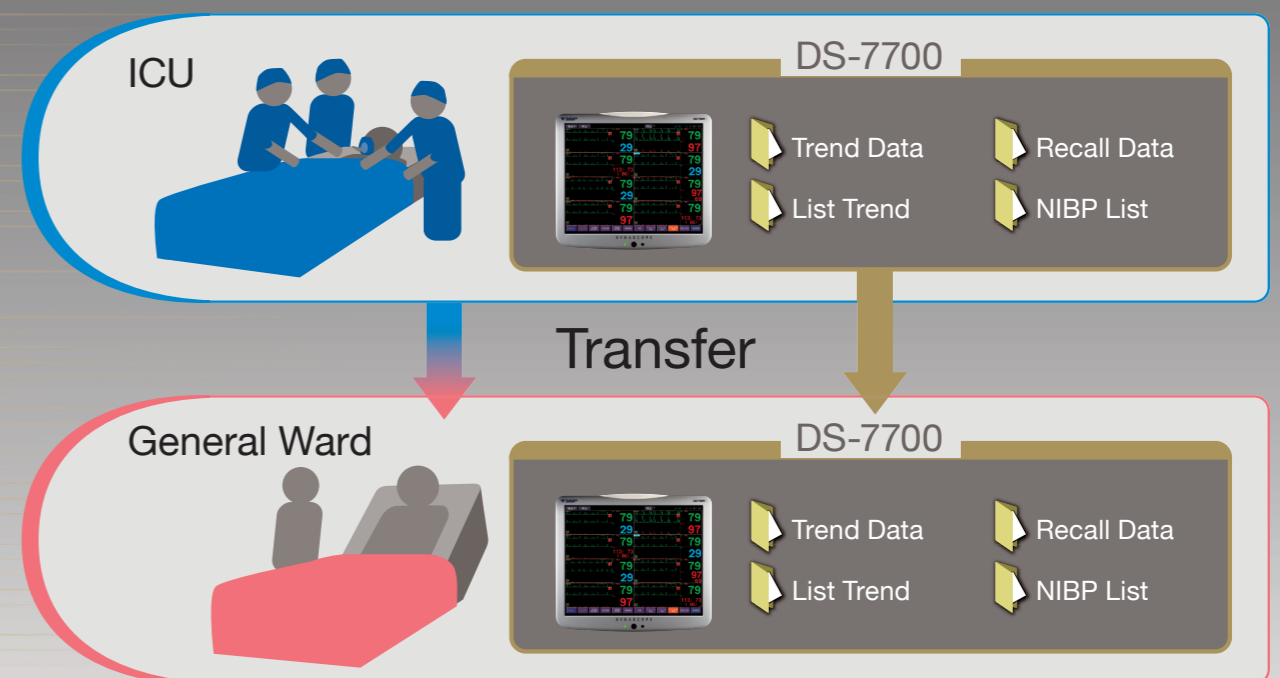Our new arrhythmia analysis software improved dramatically the following performances:

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

Patient data transfer or exchange between Central Monitors

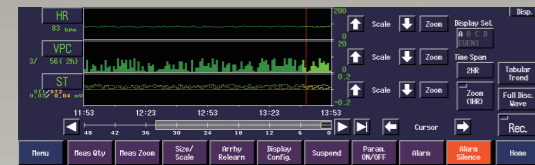Patient data transfer or exchange between Central Monitors via the TCP/IP network.

ICU

DS-7700

Trend Data　Recall Data
List Trend　NIBP List

Transfer

General Ward

DS-7700

Trend Data　Recall Data
List Trend　NIBP List

Various functionalities provide comprehensive monitoring.

Graphic Trend

Displays a maximum of 24 hours trendgraph in one screen.

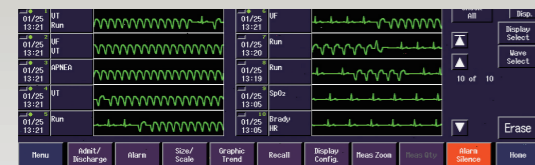## Tabular Trend

Displays a maximum of 48 hours of data.

NIBP List

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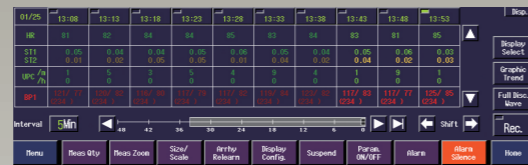

ST Measurements

Displays the ST measurements.

Recall

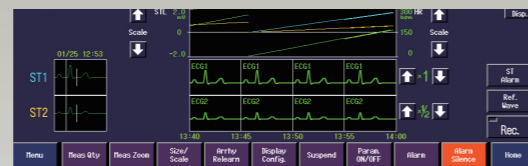Displays all the alarm generated waveforms that have been saved for recall (maximum of 200 recalls).

▲ Zoom of the recall
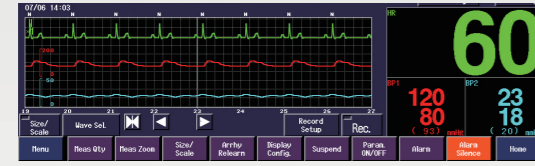
Full Disclosure (optional)

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

▲ Full Disclosure of 1 waveform
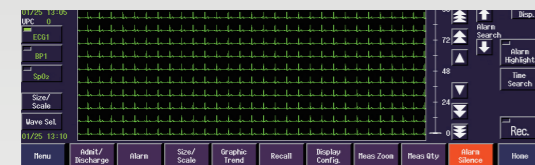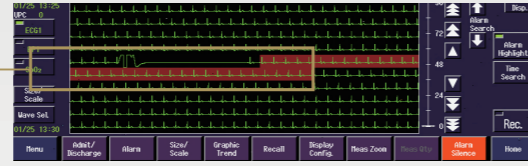
▲ Full disclosure of 2 waveforms

▼ Zoom of a section of the Full Disclosure

▼ Full Disclosure of 1 waveform with alarmed sections indicated.

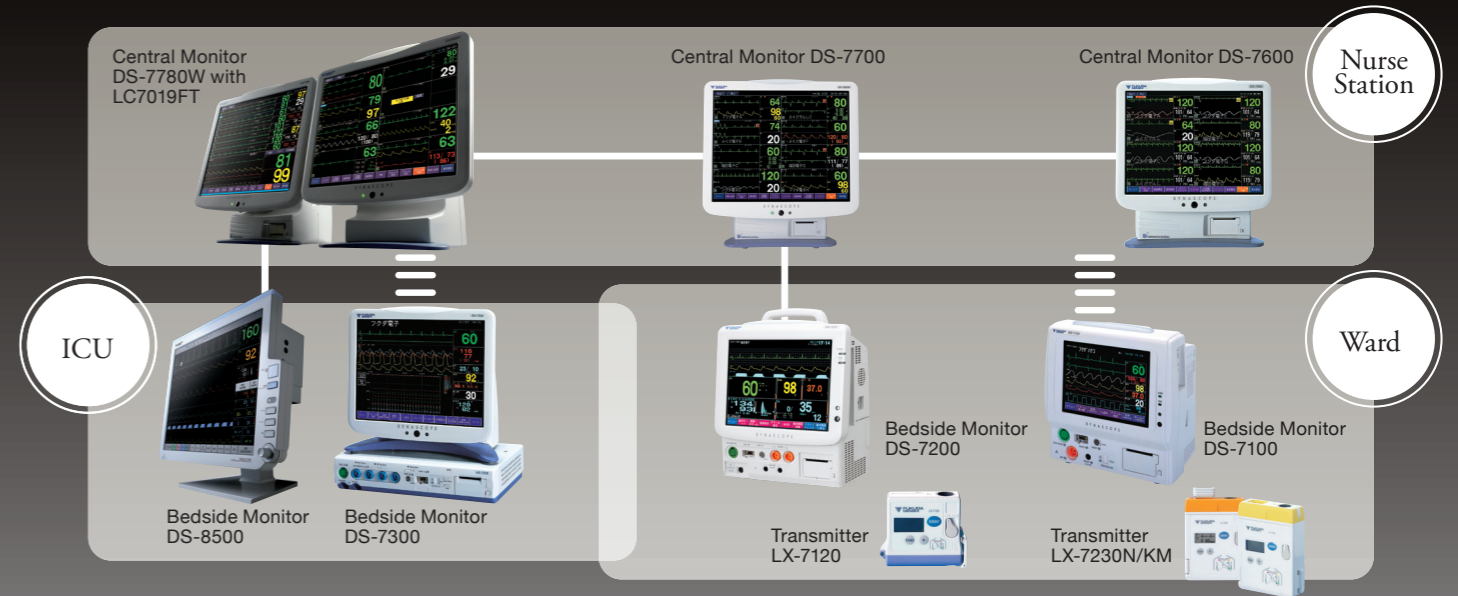Alarm points Indicated in a different background colour to easily identify the type of alarm.

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.

Central Monitor DS-7780W with LC7019FT

Central Monitor DS-7700

Central Monitor DS-7600

Nurse Station

ICU

Ward

Bedside Monitor DS-7200

Bedside Monitor DS-7100

Bedside Monitor DS-8500

Bedside Monitor DS-7300

Transmitter LX-7120

Transmitter LX-7230N/KM

Access vital data from the web within the hospital.

Example of an Hospital Network

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).

Ward

5F

Wireless Bedside Monitors

Digital Transmitters

Digital Transmitters

Central Monitors

DS-7100

LX-7120

LX-7230N・KM

DS-7700

DS-7700 ×2

Ward

4F

Transmitters

Wired Bedside Monitors

Central Monitors

LX-7230N・KM

DS-7300

DS-7700

DS-7700 ×2

LAN

ICU

3F

Bedside Monitors

Central Monitors

DS-7300

DS-7001

DS-7700

DS-7700 ×2

DynaBase System

GATEWAY

CVW Server

Web

Storage

All ward's vital data

Hospital Network

Client PCs
PCs used to review the data on the Dynabase server (CVW-6000).