Patient Monitoring
Product Solutions

FUKUDA

Medical Innovation for a Brighter Tomorrow

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Introduction

From Japan's first electrocardiographs to patient monitoring systems and other medical engineering breakthroughs, we are forever committed to improving the health of people around the world.

Our promise today, just as it has always been, is to be the company our customers trust to deliver the most important patient data, exactly where clinicians can use it. In hospitals and healthcare facilities, we're proud to drive insights that lead to better decisions - decisions that save lives every day.

It's a promise we are uniquely qualified to make because we have intentionally designed every system to be flexible enough to adapt to any workflow or acuity level. From day one, Fukuda delivers exceptional value - value that also endures, thanks to the best support team in the industry.

Central Stations

Fukuda Denshi offers a range of central station solutions under our Dynascope brand. These central stations act as a hub of our patient monitoring system, allowing caregivers to view real-time vital signs and alarms from multiple patients on a single large screen. This centralized view improves workflow and ensures staff can quickly respond to patient needs. With features like touchscreen interfaces, extended data storage, and wireless connectivity, Fukuda's central stations provides a comprehensive solution for efficient patient monitoring.

	DS-1800 Central Station	DS-8900 Central Station
Display	27-inch	26-inch
Number of Patient	32	32
Scoring	EWS, qSOFA, NEWS2	X
Full Disclosure (optional)	336 hours with SD Card (64GB)	120 hours with Cfast Card (64GB)
Weight	28.7 lbs	37.7 lbs
Battery (optional)	60 min	X
Features	• Battery operational • 14 days full disclosure • Can review discharged patients	• Expansion display unit available • Can review discharged patients

DS-1800
Central Station

The successor to the DS-8900, this ultra-slim, lightweight device comes with an impressive 27-inch, high resolution full-color touchscreen display, stores up to 336 hours (14 days) of continuous storage of waveforms, and includes the detection and analysis of up to 28 arrhythmia parameters.

Key Features

- 27-inch Full Color HD Touchscreen Display
- Monitor and display up to 32 patients simultaneously
- Flexible User Interface, with flexible layout function for display configuration is available for 16 beds or less
- Automatically calculated Early Warning Score (EWS)
- Up to 336 hours (14 days) of continuous storage of waveforms and parameters
- Arrhythmia analysis functions with 28 parameters (including QT/QTc, SI and AFib)
- Optional 12 channel integrated receiver for supporting wireless devices

DS-8900
Central Station

The DS-8900 allows you to monitor up to 32 patients, accessing up to 120 hours (5 days) of continuous waveforms and parameters. The full-color, 26-inch touchscreen makes all data easy to read, and customizable buttons make better decisions more effortless than ever.

Key Features

- 1920 x 1080, full-color, 26-inch HD touchscreen display
- Customizable user keys with full remote control
- Full disclosure waveform storage
- Monitor and display up to 32 patients simultaneously
- Full waveform and parameter storage for up to 120 hours (5 days)
- Multiple alarms with customizable lighting patterns

LW-1000
Telemetry Receiver

An all-new 600 MHz telemetry receiver with support for up to 8 channels of telemetry. The compact size of the receiver makes it easy to integrate into your new or existing telemetry system. Multiple mounting options are available, allowing you to choose the best configuration for your needs.

Key Features

- New 600 MHz receiver
- Supports up to 8 channels of telemetry
- Solid state design, with low heat dissipation
- Compact size
- Multiple mounting options

Bedside Monitors

Fukuda Denshi's Dynascope bedside monitors are designed to provide comprehensive patient monitoring at the point of care. These monitors offer a variety of configurations to suit different patient needs, from basic vital signs tracking to advanced monitoring with CO2 and invasive blood pressure capabilities. With features like clear displays, intuitive user interfaces, and customizable alarm systems, Fukuda's bedside monitors empowers caregivers to deliver efficient and informed care directly at the patient's bedside.

	BDS-1001 Bedside Monitor	DS-1200 Bedside Monitor	DS-8400 Bedside Monitor	DS-8007 Bedside Monitor	DS-8500 Bedside Monitor	DS-8200 Bedside Monitor	DS-8100 Bedside Monitor
Display	10.1-inch	15.6-inch	15.6-inch/18.5-inch	7-inch	19-inch	10.1-inch	10.1-inch
Waveform	7	22	27	14	28	14	14
IBP	X	8 ch (max)	8 ch (max)	4 ch (max)	8 ch (max)	4 ch (max)	2 ch
Inflation NIBP	O	O	X	X	X	X	X
Built-in Module	X	3 box BP, CO2, Temp, GAS	1 box BP, CO2, Temp	X	X	X	X
Scoring	EWS, qSOFA, NEWS2	EWS, qSOFA, NEWS2	X	X	X	X	X
Full Disclosure	336 hours with SD Card (16GB)	336 hours with SD Card (32GB)	240 hours with Cfast Card (64GB)	240 hours with SD Card (16GB)	48 hours with Cfast Card (16GB)	48 hours with Cfast Card (16GB)	48 hours with Cfast Card (16GB)
Weight	4.2 lbs	11 lbs	24.2 lbs	2.4 lbs	27.9 lbs	17.4 lbs	7.7 lbs
Battery (option)	2.5 hours	1 hour	1.5 hours	5 hours	X	5 hours	3 hours

BDS-1001 Bedside Monitor

A vertical style bedside monitor with easy-to-see user keys/icons, a built-in enhanced inflation NIBP measurement method, and EWS patient scoring, SI, and RPP features. Its' vertical design and easy-to-see user interface make it efficient and easy to use, while its' enhanced inflation NIBP measurement method provides accurate blood pressure readings even with challenging patients. The built-in NFC touch function allows caregivers to quickly and easily transfer patient data, and the EWS patient scoring, SI, and RPP features help caregivers to identify patients who are at risk of early decompensation. The BDS-1001 is the perfect bedside monitor for any healthcare setting, designed to help caregivers deliver the best possible care to their patients.

Key Features

- Integrated ECG, Respiration, NIBP and SpO2 (Nellcor™ or Masimo®) parameters
- High resolution 10.1-inch vertical style capacitive display
- User friendly screen configuration
- Enhanced Inflation NIBP measurement method
- Patient Scoring including SI, EWS and RPP
- Up to 14 days of data storage with optional SD card
- Customizable display layouts
- Selectable parameters
- Integrated wireless communication (608 - 614 MHz)
- Optional integrated 3 channel strip chart recorder
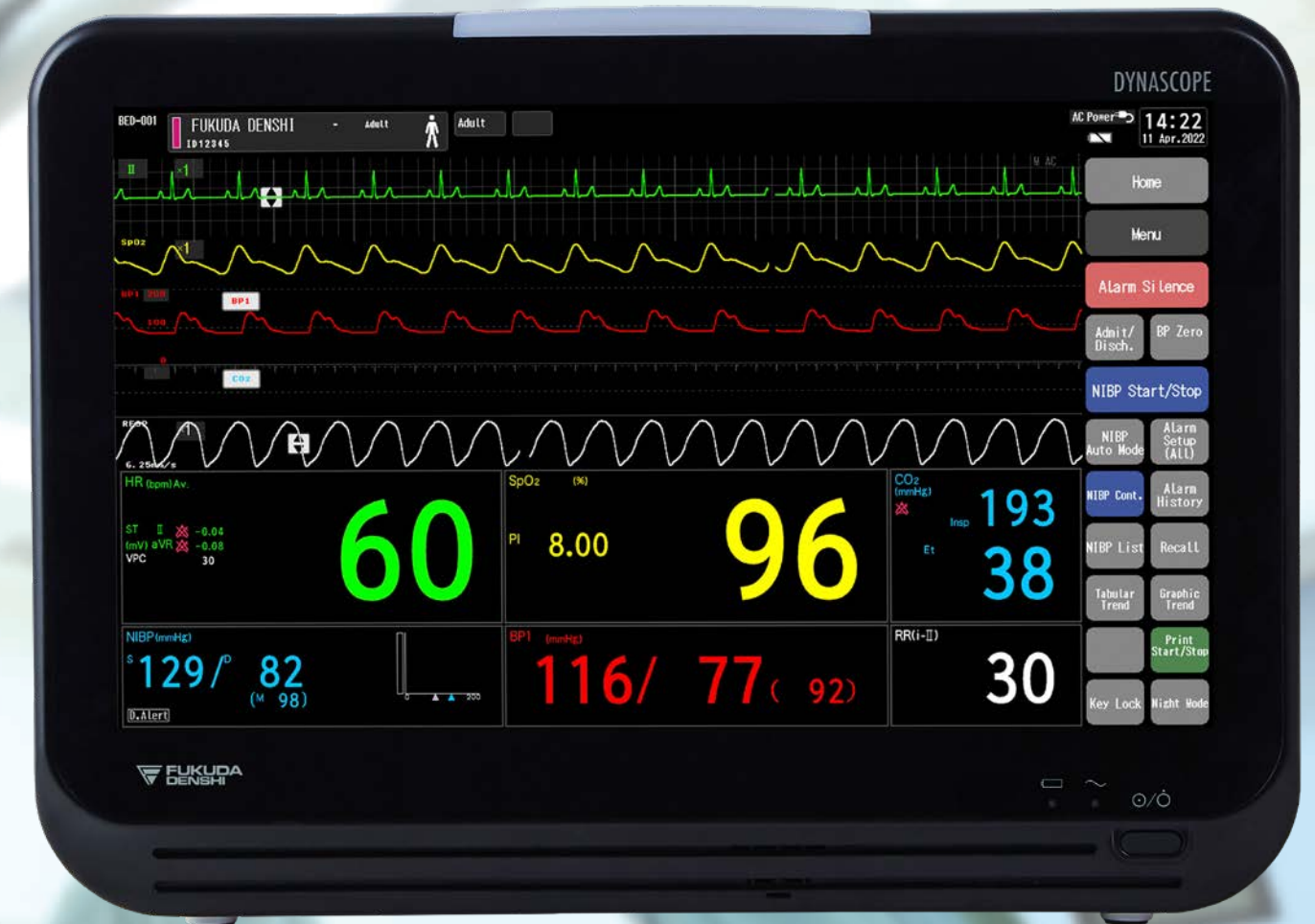- Optional CO2 gas module

DS-1200
Bedside Monitor

A space-saving, compact, yet powerful monitoring solution for a wide variety of middle-to-high patient care settings, including the ambulatory surgical care environment. With a 15.6-inch wide LCD display and 28 parameters of arrhythmia analysis functions (including QT/QTc, SI and AFib), the DS-1200 bedside monitor is a semi-modular monitor that brings accurate clinical decisions support functions such as NEWS2 (National Early Warning Score) for determining and immediately notifying the medical emergency team of the early signs of clinical deterioration.

Key Features

- 15.6-inch wide LCD display
- Select from Nellcor™/Masimo® SpO2
- Quick and easy NIBP measurement
- Optional EtCO2 / 2nd SpO2 / Multiport module / I/O module / Anesthesia module
- Optional battery module to provide up to 60 minutes of operation
- Full disclosure for up to 10 days with optional flash memory card
- Arrhythmia analysis functions with 28 parameters (including QT/QTc, SI and AFib)
- DynaAlert function - a technology to prevent accidents which may occur by sudden BP change during the non-measured duration by estimating the variation of circulatory dynamics with the Medtronic® SpO2 module
- Waterproof and dustproof main unit: IPX2※
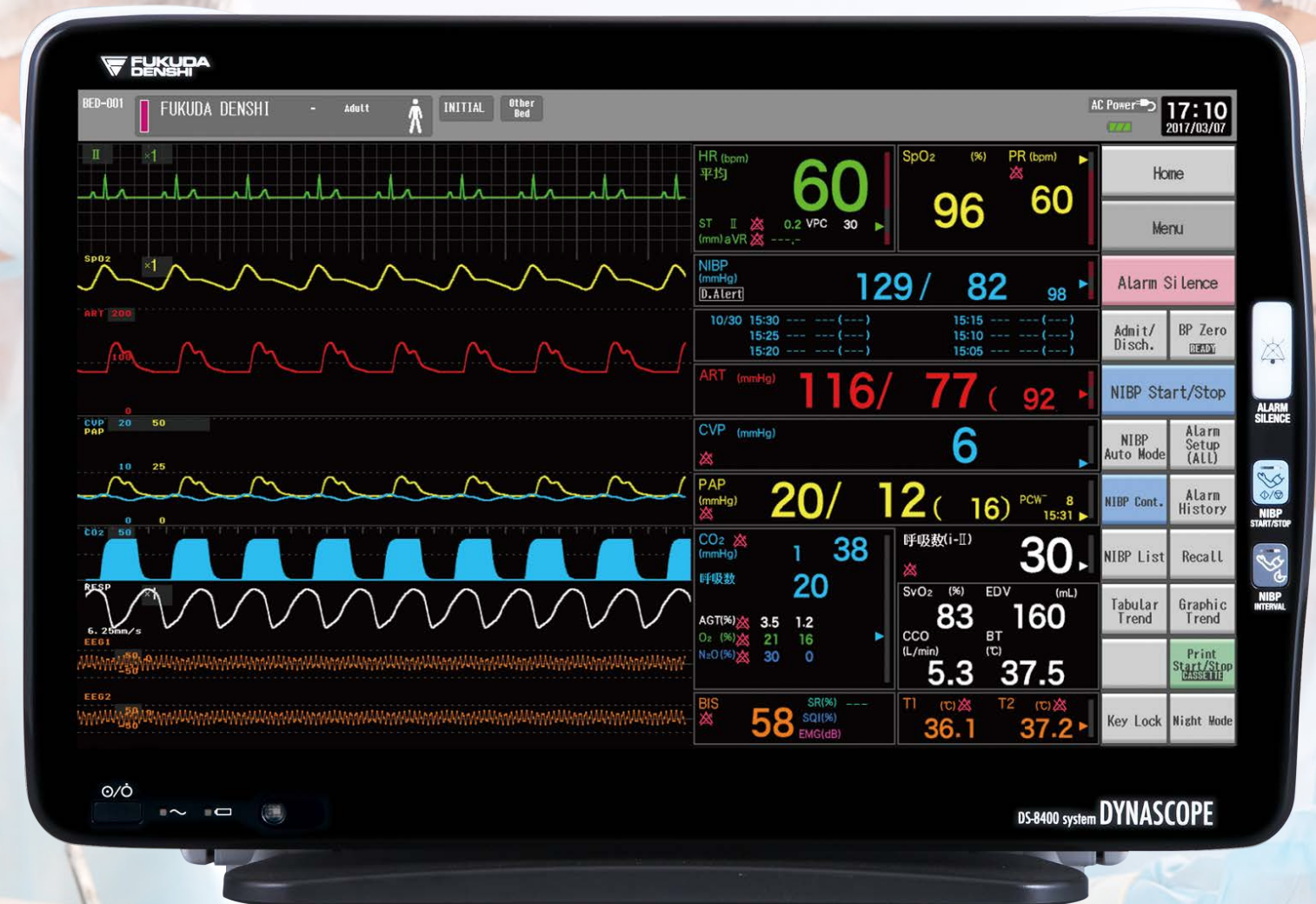   ※only when the side cover and the battery cover are attached

DS-8400
Bedside Monitor

Built for ease of use within critical care environments, the DS-8400 is the cornerstone of an integrated, modular monitoring system to deliver a patient-centered solution for any acuity level. The clear, 16- or 18-inch wide touchscreen improves visibility and usability across the care continuum, putting key customized patient data at your fingertips.

Key Features

- Available in 16- or 18-inch wide capacitive touchscreen LCDs
- Display 27 waveforms on 18-inch display, or 21 waveforms on 16-inch display
- 12-lead ECG analysis with real-time display
- Ensure seamless patient transfer with continuous monitoring via HS-8312 super modules or DS-8007 transport monitor
- DynaAlert function - a technology to prevent accidents which may occur by sudden BP change during the non-measured duration by estimating the variation of circulatory dynamics with the Medtronic® SpO2 module
- Integrated battery enables uninterrupted monitoring in the event of a power outage

DS-8007
Bedside Monitor

The DS-8007 brings new levels of flexibility, clarity and simplicity to your patient monitoring. It works wherever you need a compact, powerful monitor - at the bedside, as part of a modular system or on a mobile unit. With the industry-leading 10 days of waveform Full Disclosure at the point of care, clinicians are given a complete picture of patient's history at the touch of a button, no matter where they are.

Key Features

- 7-inch capacitive touchscreen with fixed keys for easy operation
- Customizable interface to put frequently used functions up front
- Display up to 14 waveforms
- 27 arrhythmia alarms
- Total compatibility with the DS-8400 or DS-8500 critical care monitors
- Integrated battery operation for up to 5 hours
- Records up to 3 waveforms

DS-8500
Bedside Monitor

Intelligent and customizable, the DS-8500 is designed to adapt to modern critical care service needs from OR, ICU, and CV-ICU to NICU and ER. You can configure the sounds, the colors, and the ideal screen layout for your care environment, view patient data both at the bedside and a central station, and record data with the DS-8007 transport monitor or the optional HS-8312 super module.

Key Features

- Available in 19-inch 1280x1024, or 15-inch 1024x768 touchscreen LCDs
- Display 28 waveforms on 19-inch display, or 20 waveforms on 15-inch display
- Secure cable connection system ensures consistent data quality
- Flexible, modular design extends functions and capabilities
- Optional printers, remote controls and telemetry transmitters
- Record data using the DS-8007 transport monitor or the optional HS-8312 super module

DS-8200
Bedside Monitor

Portable and powerful, this modern bedside monitor displays up to 14 waveforms on the widescreen. User-configurable short keys and a range of options make it the perfect fit for any clinical environment. Plus, data transfer to any DS-8500 or DS-8200 system is easy with the HS-8000 module.

Key Features

- Module monitor with 10-inch 1024x600 color touchscreen display
- Compact design fits any clinical area
- 48 hours Full Disclosure of up to 6 waveforms, with 24 hours of trend and 24 hours of table review
- Optional 12-lead ECG analysis
- Continuous monitoring during transport with the HS-8000 super module
- Real-time data transfer to the DS-8500 or other DS-8200 system with the HS-8000 super module
- Optional memory card available to store data for later data transfer

DS-8100
Bedside Monitor

A streamlined, customizable interface and bright, 10.1-inch touchscreen help the lightweight as well as compact DS-8100 bedside monitor fit into any clinical environment. Simple, effective monitoring is made possible by the widescreen's display of longer waveforms.

Key Features

- Integrated 10.1-inch 1024 x 600 color resistive touchscreen display
- Configurable user interface through touchscreen oriented soft keys, fixed keys, and jog dial control to match your workflow
- Display up to 14 measurements in a stationary trace mode
- Compact design to fit any clinical environment
- Optional battery for up to 3 hours of operation

Telemetry Transmitters

Fukuda Denshi's telemetry transmitters act as the wireless link between patients and central monitoring stations. These lightweight and comfortable transmitters are designed to be worn on a patient's body and continuously transmit wirelessly vital signs like ECG, respiration, and SpO2. Our telemetry systems offer long battery life and waterproof designs, ensuring uninterrupted monitoring and patient comfort. This allows for greater mobility for patients while keeping caregivers informed of their status.

LX-8300
Telemetry Transmitter

The LX-8300's high-contrast color screen makes it easy to see ECG, RESP and SpO2 measurements on the compact, highly portable unit. The device's fully IPX8 waterproof protects it both from daily cleaning and accidental submersion. It's truly a solution to monitor patients wherever they go.

Key Features

- Compact, lightweight design (6.7oz/0.4lbs with battery) ensures patient comfort and compliance
- High-contrast color displays allow for easy differentiation of ECG, respiration, SpO2 and PI* (Perfusion Index) parameters
- 2-1/2 days battery life with two AA batteries
- Compatible with reusable or disposable Nellcor™/Masimo® SpO2 sensors depending on the model

*PI (Perfusion Index) available on LX-8300M

LX-7230N
Telemetry Transmitter

Monitor ECG, respiratory and SpO2 waveforms with ease, thanks to the LX-7230N. This water-resistant transmitter operates for up to three days on just two AA batteries while offering the flexibility your care team needs to change ECG channels and leads.

Key Features

- LCD display features both waveforms and measurement values
- Fully digital transmission of dual-ECG, RESP, and SpO2 waveforms to compatible receivers
- Low energy consumption that allows for continuous operation for three days with two AA batteries
- Waterproof design*
  *IPX8 (if periodic replacements are performed)

Fukuda Connexus
-Interoperability Solutions-

Welcome to the Fukuda Connexus platform, the future of healthcare connectivity. Fukuda's comprehensive interoperability solutions give you the exact security, connectivity and real-time remote monitoring capabilities to advance the continuum of care.
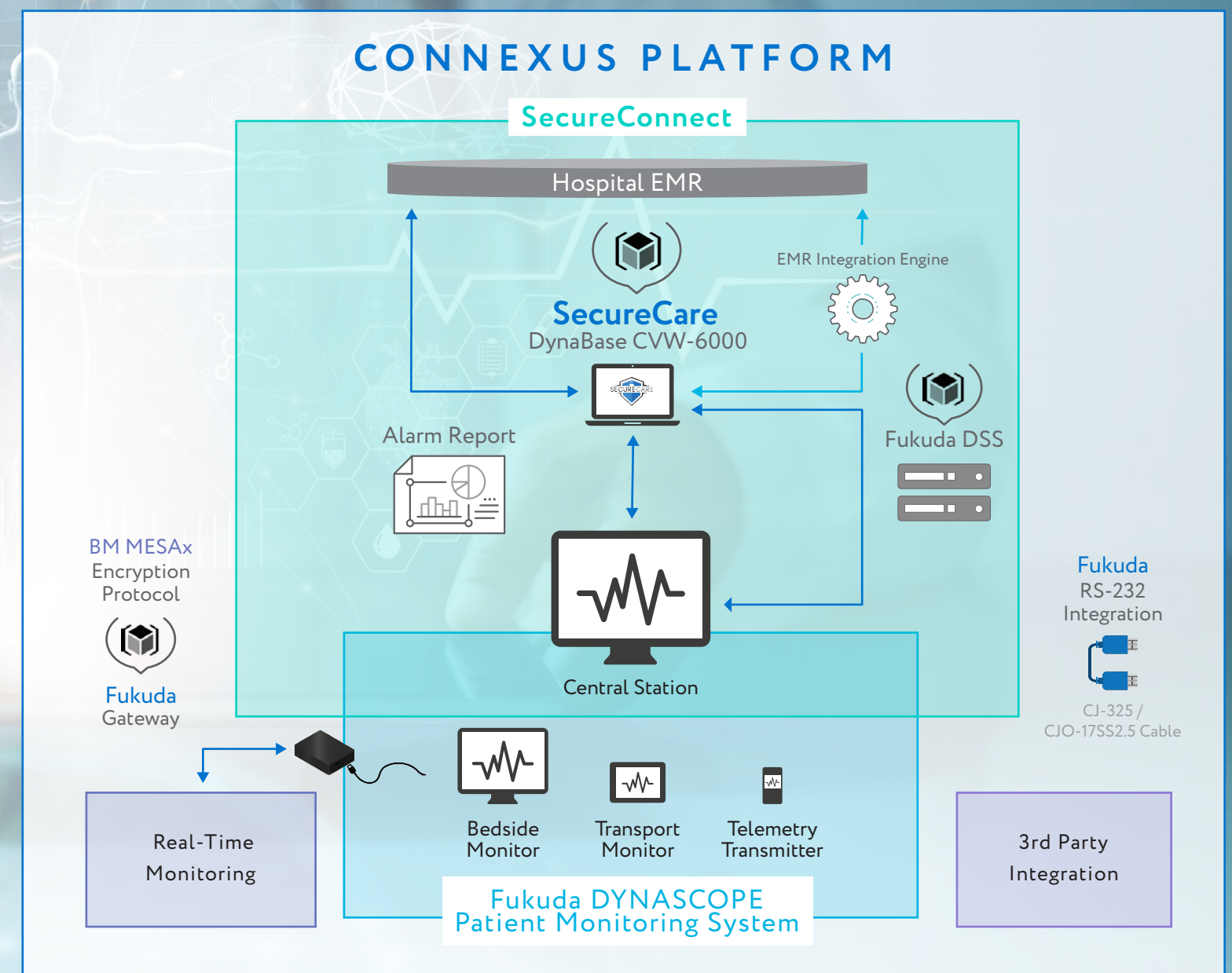
● **Agnostic EMR/EHR Integration**

We deliver an adaptive, streamlined integration process that reduces the load on your IT team and get you up and running faster.

● **Advanced Cybersecurity**

The Fukuda Connexus System delivers the industry's most advanced cybersecurity throughout the system, including secure remote viewing and monitoring.

● **Scalability**

Our fully virtualized deployment reduces overhead costs as you grow, maintaining optimized operability and increasing efficiencies at every step.

CONNEXUS PLATFORM

SecureConnect

Hospital EMR

EMR Integration Engine

SecureCare
DynaBase CVW-6000

Alarm Report

Fukuda DSS

BM MESAx
Encryption
Protocol

Fukuda
Gateway

Central Station

Fukuda
RS-232
Integration

CJ-325 /
CJO-17SS2.5 Cable

Real-Time
Monitoring

Bedside
Monitor

Transport
Monitor

Telemetry
Transmitter

3rd Party
Integration

**Fukuda DYNASCOPE
Patient Monitoring System**

SecureCare CVW-6000 V7

The Fukuda Connexus Platform represents a significant advancement in data processing and analysis, enabling hospital facilities to harness the power of data for informed decision-making, improving efficiency, and enhanced competitiveness. CVW provides for the Remote Surveillance of patients both inside and outside the four walls of the hospital, with unlimited users, retrospective analysis, and expanded full disclosure.

● **Key Technical Highlights**

- Enhanced Data Visualization
- Streamlined Data Integration
- Lightweight Architecture
- Cloud-Ready Deployment
- Intuitive User Experience
- Agile Development
- Enterprise Support Tools
- Self-Hosted/Support Option

● **Alarm Analytics & Clinical Insights**

- Dashboard Application
- Graphical Alarm Analysis Tool
- CDSS Integration Function
- Alarm Optimization
- Printable Graphical Reports
- Integration with Clinical Systems
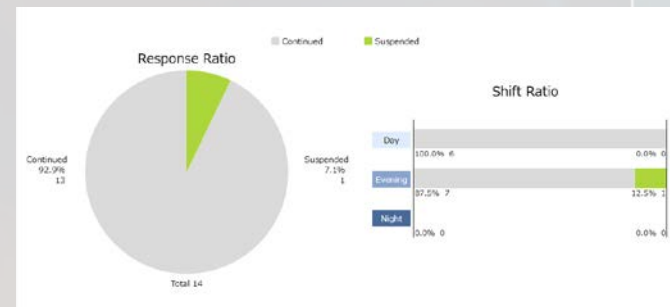- Alarm Fatigue Reduction
- Trend Analysis

Fukuda Insights Alarm Analytics

An advanced alarm analytics platform designed to tackle one of the most pervasive challenges in healthcare: alarm fatigue. Fukuda Insights aim to transform the management of clinical alarms by providing actionable insights and effective tools to significantly reduce unnecessary alarms, thus enhancing patient care and staff efficiency.

- **Comprehensive Data Analysis**
- **Continuous Improvement**
- **Enhanced Patient Safety**
- **Actionable Insights**
- **Reduction of Nuisance Alarms**

Alarm Response Timing

Alarm Responsiveness

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