TRIONARA

Innovative Caring

ViTUS CS

Central Monitoring System

- Dual-screen display, color TFT LCD/LED screen with high-resolution
- Up to 128 real time waveforms for 32 beds simultaneously
- ECG, SpO2, RESP, CO2, Dual IBP waveforms
- Selective waveforms and parameters
- Various configurations of main screen
- Supporting LAN network (Wired / Wireless)
- Audible and visual alarms
- Up to 96 hours trend store and review
- Up to 720 alarm events store and review
- Up to1000 NIBP measurements store and review
- Up to 48 hours of disclosure store and review
- Set up the color of waveforms/parameters
- Exchanging the position of patient window
- Supporting external thermal recorder
- Supporting Laser printer
- Managing patient information
- Communicates with the PACS server to make and display DICOM files

MasimoSET rainbow CE 1984 kiwa ISO 13485

Technical Specification

Minimum Hardware Requirements	
CPU	Intel® Core i3 3217U Processor (1.8 GHz, Dual Core processor with 3 MB smart cache or above)
RAM	DDR3 1600 4 GB or above
Graphic card	Intel HD4000 Graphics
Hard disk	SSD 64 GB or above
Power supply	65W Power Adapter, Input:100- 240V AC
UPS	At least 3 hour stability
OS	
Operating system	Linux UBUNTU 14.04
Display	
Screen size	20"/ 19" / 19W" / 17" /18.5'' /22" color TFT LCD/LED
Resolution	1280/2560 x 1024 or 1920/3840 x 1024
Number of displays	Dual display or more
Waveforms	ECG (I, II, III, aVR, aVL, aVF, V), SpO_2, Dual IBP, Resp/Co2 (All freezable)
Signal sweep	12.5, 25, 50 mm/s
Numeric Parameters	HR, SpO_2, Dual Temp, DT, NIBP, Dual IBP, RESP /CO2 (EtCo2, FiCo2, AWRR)
Interface connection	Mouse, Network, Serial port, USB 2.0
Network	
Protocol	TCP/IP
Connection	LAN with RJ45 interface, Ethernet 802.3
	WLAN IEEE 802.11a/b/g/n, Wireless
Bed Communication	
Number of beds	Supports up to 32 Saadat patient care monitors
Bidirectional control	The following settings of each bedside can be changed via central monitoring system: ECG Lead, ECG Gain, HR Alarm
Alarm	
Alarm types	Physiological, Technical, Systemic
Alarm levels	High, Moderate, Low
Alert	Audible-Visual alarm
Data Review	
Trend	Review of up to 96 hours Trend, Graphic and Tabular
Disclosure	Up to 48 hours store and review of ECG waveform
NIBP List	Review of 1000 NIBP measurements
Alarm List	Review of 720 Alarm events
Patient info	Managing Patient information
Alarm History	Storing 100 HR alarms
Recorder History	Managing record requests
Recorder (Optional)	
Model	External thermal recorder
Size	120 × 96 ×165 mm (W×H×D)
Weight	425 g (approximately)
Printing speed	12.5, 25, 50 mm/s
Paper width	57 mm
Trace	1 waveform (ECG)
Recording type	Fixed time/Continuous recording, Automatic / Manual Alarm recording, NIBP List recording, Trend recording, Disclosure recording, Freeze recording, Periodic recording.
Power supply	DC 12V, 3A
Data interface	RS232 interface
Printer (Optional)	
Model	Laser printer
Paper size	A4
Printing speed	12.5, 25, 50 mm/s
Trace	1 waveform (ECG)
Printing type	Fixed time printing , Automatic / Manual Alarm printing , NIBP List printing, Trend printing, Disclosure printing , Freeze printing , Periodic printing
ENVIRONMENT	
Operating Temperature	0°C to +50°C
Storage Temperature	-20°C to +70°C
Operating humidity	5-95 %
Non-operating humidity	5-95 %
NUC Size & Weight	
Dimensions	116.6mm×112.0mm×39.0mm (4.59"×4.41"×1.55")
Weight	500g (1.1 lbs)

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