



PC-Macs Series

Central Monitoring System for Macs Series Monitors





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SternMed PC-Macs Series is an intelligent central multi-bed and multi-physiological parameter monitoring system, which can be connected by wire or wireless network with up to 64 bedside patient monitors and is suitable for performing continuous monitoring of several patients in CCU and ICU wards simultaneously.



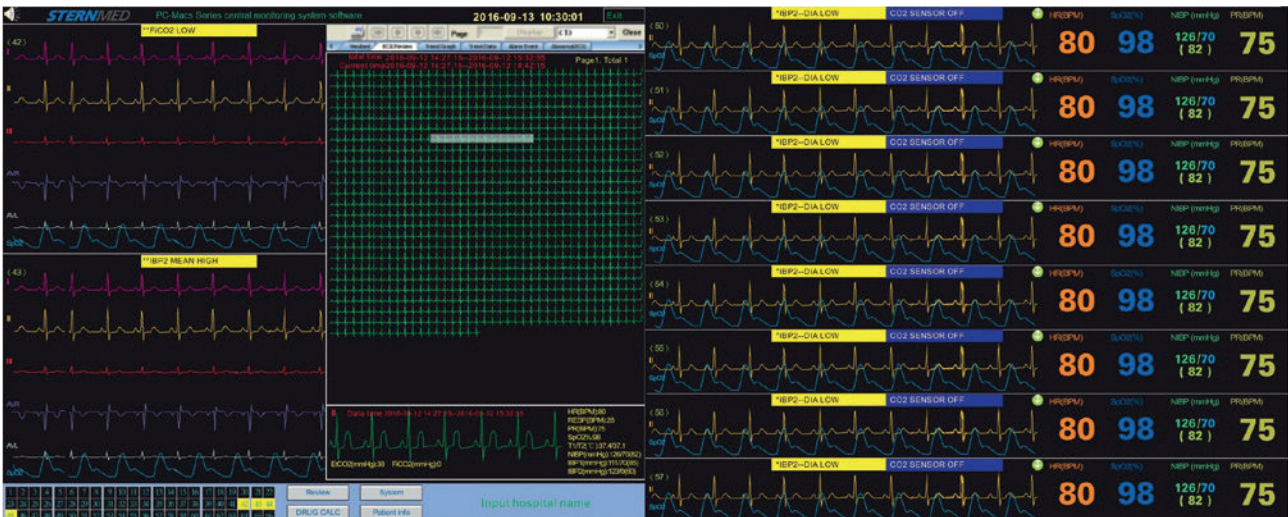
FEATURES

- Collect and display multiple physiological parameters and waveforms measured by the bedside units
- ECG / HR / RESP / SpO₂ / PULSE / NIBP / 2-TEMP / 2-IBP / EtCO₂ / Multigas (O₂, N₂O, 5AA) / ICG (C.I.)
- All physiological parameters and waveforms (13 channels at most) presentation for one patient
- Possibility to set up the color of each individual parameter text or waveform
- Automatic data save in case of power failure
- Alarm limits set up for all parameters, audible and visible alarms for exceeding the limit
- Connection available network system of the hospital
- Support of HL7 protocol

ECG REVIEW

Easy and Convenient operation

- Large Font screen
- Provide indication of probe detachment
- Provide detailed notes to facilitate operation
- Can record, search and classify the abnormal ECG events
- Bi-directional communication with bedside unit.
- Central Unit able to remotely control the bedside unit to measure BP



Bed side information

- Large Storage Capacity
- 96 hours holographic ECG waveform storage and Replay
- 240 hours trend graph review
- alarm record
- 30.000 patient historical data
- Alarm data saves all physiological parameters and waveforms before and after the alarm



Single bed

- Strong Printing Functions
- Support various kinds of printers
- Can print case reports at any time so as to timely master the patient's info
- Copy screen print for single bed, with 13 channels of waveform at most.
- Data review print including the trend graph review, trend list replay, ECG review and alarm incident review



TECHNICAL SPECIFICATIONS

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- In accordance with IEC60601 standard
- Power Supply: AC 100-120 / 200-240V,50/60 Hz

BASIC CONFIGURATION FOR THE HOST WORKSTATION

- Intel Core i5 or above
- 8GB RAM or above
- On board graphic card with min 2 display ports (DisplayPort)
- Windows 10 Pro
- 512GB SSD or above
- DVD-ROM
- 2x 24" TFT, Resolution: 1920 x 1080

NETWORK MANAGEMENT

Wire connection

- TCP/IP protocol
- 10/100/1000 Base-T Ethernet
- Connected to SternMed Macs Series patient monitors
- Connected bedside unit number: up to 64 bedside monitors
- Connection can use the available network system of the hospital

Wireless connection

- The reliable clear view distance indoors is 10 meters in semidiameter. With relay station reaches above 1000 meters.
- Can collect and display all physiological parameters and waveforms measured by bedside unit
- Connected bedside unit number: up to 64 bedside monitors
- All waveform presentation for one patient
- Oxy CRG display
- 7-leads or 12-lead ECG waveform display
- Waveform frozen
- Remote Monitor Control
- Bi-directional communication
- Central Unit able to remotely control the bedside unit to measure BP

TECHNICAL SPECIFICATIONS

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ALARM

- Alarm limits can be set up for all parameters
- Sound and indicator light alarms are provide for exceeding the limit of HR, RESP, SPO, PULSE, BP, TEMP, Co2
- Alarm waveform saves all the physiological parameters and waveforms before and after the alarm
- Arrhythmia alarm
- Support import and export alarm data

REVIEW INFORMATION

- 96 hours holographic ECG waveform storage and replay
- 240 hours trend data storage and replay for each bedside unit
- 1,000 records of alarm messages storage and replay for each bedside unit
- 30,000 history patient monitoring information

CALCULATIONS

- Drug calculation and titration table
- 17 types of arrhythmia analysis

PERFORMANCE

- Waveform: ECG(I, II, III, aVR, aVL, aVF, V1-V6) RESP, Co₂, IBP1, IBP2, Spo₂
- Parameter: HR, RR, NIBP, IBP, Spo₂, PR, TEMP, Co2 (EtCo₂, FiCo₂), Anesthetic Gas (O₂, N₂O, 5AA) , ICG (C.I.)
- Sweep speed: 12.5mm/s, 25mm/s, 50mm/s user-adjustable
- View bed: Up to 64 waveforms for 32 bedside monitors (dual-screen display)
- Possible to select required beds and automatically align the screen windows



STERNMED[®]

