

TECHNICAL SPECIFICATIONS		
Quality Standards and Classification CE, ISO13485 SFDA: Class II b Anti-electroshock degree: Class I equipment (int. external power supply) TEMP/SpO ₂ 2 / NIBP: BF ECG/Resp: CF		
Application Range Adult/Pediatric/Neonatal/Medicine/Surgery/ Operating Room/ICU/CCU		
Display 12.1" real color TFT screen		
Environment Operating environment : Temperature: 0 ~ 40 °C Humidity: 15% ~ 80% Pressure: 86,0 kPa ~ 106,0kPa Transport and Storage environment : Temperature: -20 ~ 55 °C Humidity: 10% ~ 90% Pressure: 86,0 kPa ~ 106,0kPa		
Power Requirements AC: 100 ~ 240V, 50Hz/60Hz DC: Built-in rechargeable battery Battery: 11.1V 24wh Li-ion battery 2h operating after full charge 5min operating after low battery alarm		
Dimension and Weight Equipment: 340mm x 245mm x 134 mm(about); 2.798kg(about) Package: 380mm x 350 mm x 300mm; 4.598 kg(about)		
Date Storage Trend diagram/table: 720h NIBP review: 10000 events Wave review: 12h Alarm review: 200 alarm events Support drug concentration titration analysis		
ECG 5 Leads: RA, LA, LL, RL, V Lead mode: I, II, III, AVR, AVL, AVF, V Gain: x 1,25mm/mV, 2,5mm/mV, 5,0mm/mV, 10mm/mV, 20mm/mV (error ≤ 5%) Sweep speed: 6,25mm/s, 12,5mm/s, 25mm/s, 50mm/s (error ≤ 10%) Bandwidth: Surgery 1 ~ 25 Hz Monitor 0.5 ~ 40 Hz Diagnostic 0,05 ~ 130 Hz Sensitivity: >200 μV P-P CMRR: ≥ 112dB Differential Input Impedance: >5 Mohm Electrode Offset Potential: ±300mV Polarization Voltage: ≥ ± 500mV Input Impedance: ≥ 5 M Calibration Voltage: 1mV ± 5%	ST Segment ST Segment Range: -2,0mV ~ +2,0mV Accuracy: 0.02mV	SpO₂ Measurement range: 0 ~ 100% Resolution: 1% Accuracy: 70% ~ 100% ± 2% 40% ~ 69% ± 3%
	Pulse Rate Measure/alarm range: 20 ~ 300bpm Resolution: 1bpm Accuracy: ± 3bpm	Pulse Rate Measure/alarm range: 20 ~ 300bpm Resolution: 1bpm Accuracy: ± 3bpm
	RESP Method: impedance between RA-LL Resp Impedance range: 0.3 ~ 3 Ω Base Impedance range: 200 Ω ~ 4000 Ω Bandwidth: 0.3 ~ 2.5Hz Gain: x 0,25, x 0,5, x 1, x 2, x 4 Resp rate: Measurement Range Adult 0 ~ 120BrPM Neonatal/Pediatric 0 ~ 150BrPM Resolution: 1BrPM Accuracy: 7 ~ 150BrPM (± 2BrPM) 0 ~ 6BrPM (unspecified) Apnea Alarm: 10 ~ 40s	RESP Method: impedance between RA-LL Resp Impedance range: 0.3 ~ 3 Ω Base Impedance range: 200 Ω ~ 4000 Ω Bandwidth: 0.3 ~ 2.5Hz Gain: x 0,25, x 0,5, x 1, x 2, x 4 Resp rate: Measurement Range Adult 0 ~ 120BrPM Neonatal/Pediatric 0 ~ 150BrPM Resolution: 1BrPM Accuracy: 7 ~ 150BrPM (± 2BrPM) 0 ~ 6BrPM (unspecified) Apnea Alarm: 10 ~ 40s
	TEMP Channel 2 Measure & alarm range: 0 ~ 50 °C Resolution: 0.1 °C Accuracy (no sensor): ±0.1 °C (0~50 °C)	TEMP Channel 2 Measure & alarm range: 0 ~ 50 °C Resolution: 0.1 °C Accuracy (no sensor): ±0.1 °C (0~50 °C)
	Standard accessories • NIBP cuff & tube • ECG cable & electrodes • SpO₂ sensor • TEMP probe • Lithium-ion battery • Power cable • Operator's manual	Standard accessories • NIBP cuff & tube • ECG cable & electrodes • SpO₂ sensor • TEMP probe • Lithium-ion battery • Power cable • Operator's manual
	Optional accessories • IBP • CO₂ • Nellcor SpO₂	Optional accessories • IBP • CO₂ • Nellcor SpO₂



BIO-12

Patient Monitor



Store & Reviewing

- ECG: 30 minutes one important lead's ECG waveform
- Alarm: 1800 groups Alarm events reviewing
- NIBP: 1000 groups NIBP measurement
- Arrhythmia: 128 groups data (8 seconds ECG waveforms) -Power
- off storage: 72 hours trend data & 1 ECG wave form(option)

IBP (option)

- Channel: 2
- Measurement Range: -50~+300mmHg
- Unit: mmHg, kPa
- Accuracy: $\pm 2\text{mmHg}$ or 2% , whichever is greater

EtCO₂(option, Microstream)

- Range 0~19.7%(0-150 mmHg)
- Unit: %, mmHg: kP
- Respiration Rate Range 2~150 bpm

EtCO₂ (option, Mainstream)

- Range 0~19.7 %(0-150 mmHg)
- Unit: %, mmHg, kPa
- Respiration Rate Range 0~150 bpm

ECG

- Mode: 5-leads (standard); 3-leads or 12-leads (option) -Lead selection: I, II, IH, aVR, aVL, aVF, V1~V6(option) -Gain: AUTO, 0.25x, 0.5x, 1.0x, 2.0x, 4.0x
- Insulation Breakdown Voltage 4000VAC 50/60Hz Sweep speed 6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s
- HR Range: Adult: 10~300bpm Child & Neonate: 10~350bpm
- HR Accuracy $\pm 1\%$ or ± 1 bpm, whichever is greater

Alarm

- Three Level: Low, medium and high
- Indication: Auditory and visual
- Setup: Default and custom
- Silence: All alarms can be silenced
- Volume: 45-85 dB measured at 1 meter

Thermal Recorder (Option)

- Method: Thermal dot array
- Paper width: 50 mm (1.97 in)
- Paper Speed: 12.5/25/50 (mm/sec)
- Traces Maximum: 3 tracks

Dual Alarm Light

Physiological Alarm Light & Equipment
Technical Alarm Light
Extra Large Alarm Light Design

All-in-one

ECG, RESP, SPO₂, NIBP, 2-TEMP(Standard)
9-leads ECG, 2-IBP, Cardio Output(ICG)
Side stream /mainstream / Micro stream CO₂

Various Extensible interfaces

Standard : Ethernet Network , Defibrillation
Synchronization Output, Nurse Call
Option: analog output , USB Port, VGA output

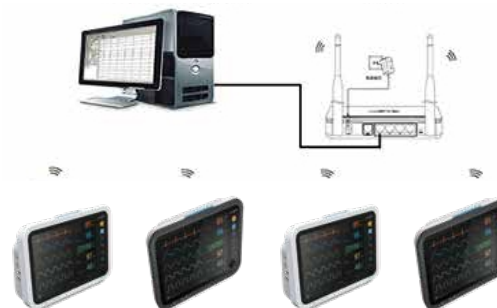
Built-in Recorder & WLAN modular (option)

3-Channel thermal recorder offers convenient documentation
Wifi wireless connectivity realizes in hospital transportation



Central Monitor System

Router



WIFI with smart IT solutions

- Wireless integration with Central Monitoring Station
- Dynamic trends provide up to 240 hours of useful information for review
- 8 traces per monitor and 16 monitors on one screen
- View up to 32 maximum bed on one platform in real-time
- Review and manage patient data anytime and anywhere in and pre-hospital



Wall Mount



Rolling Stand