

**SPOT CHECK**  
Vital Signs Monitor



**BM1**



**COMPACT  
EASY TO USE  
ACCURATE**



**Portable  
Design**



**Non-contact IR  
Thermometer(Opt.)**

# 1. Versatile operation modes

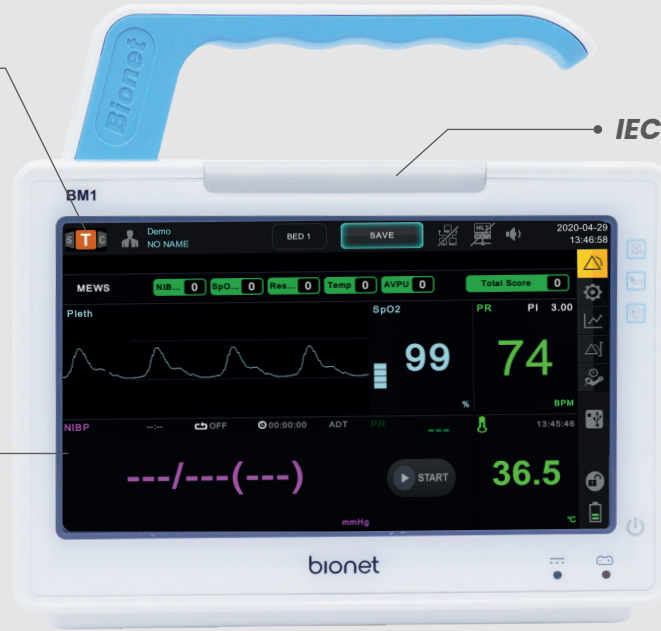
## 3 Operation modes

: monitoring and recovery with EtCO2(opt.)  
CONTINUOUS

: check for immediate vital signs check up  
SPOT

: with Early Warning Score  
TRIAGE

**7" Touch Screen**



• IEC 60601-1-8 Compliant Alarm



SpO2

TEMP

NIBP

EtCO2(Opt.)

Side View

# 2. Provide connectivity

Nurse-call connector

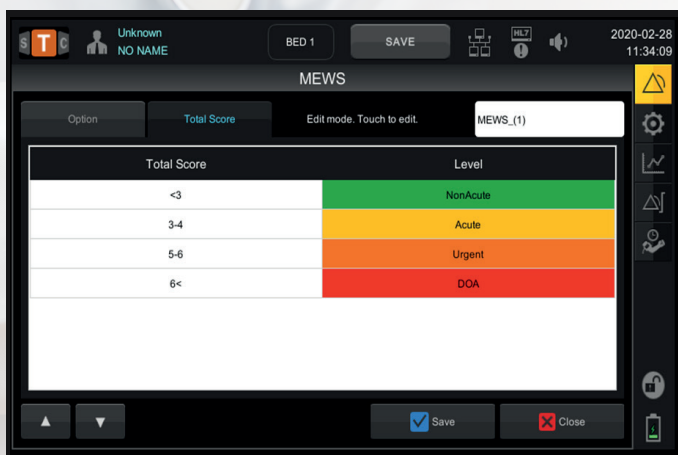
Dual USB port for Barcode reader and patient ID'ing

Mini HDMI for Dual display

Ethernet port



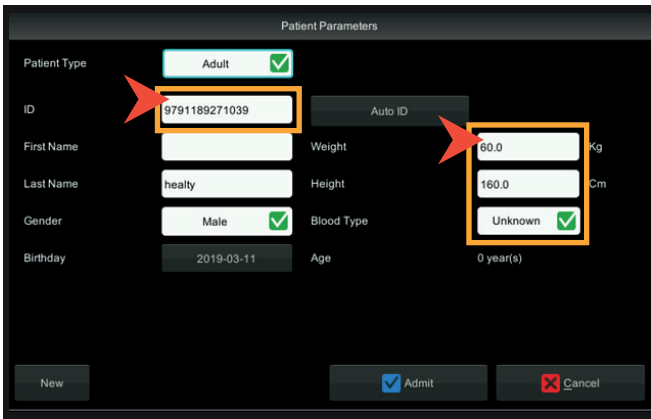
# 3. Support immediate clinical decision



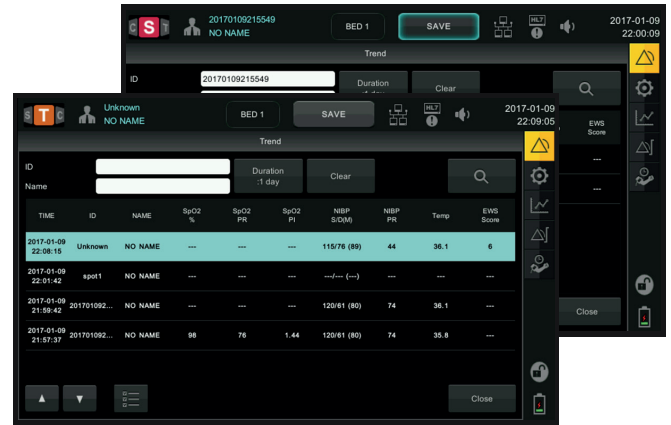
• 5 types of Early Warning Score

- MEWS, NEWS, PEWS, MEOWS, TEWS

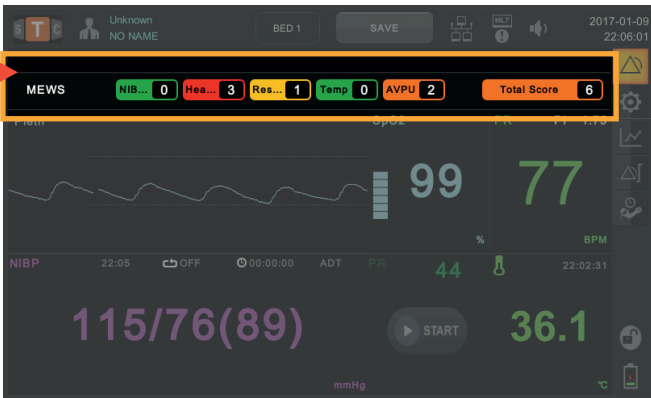
## 4. Enhance patient care



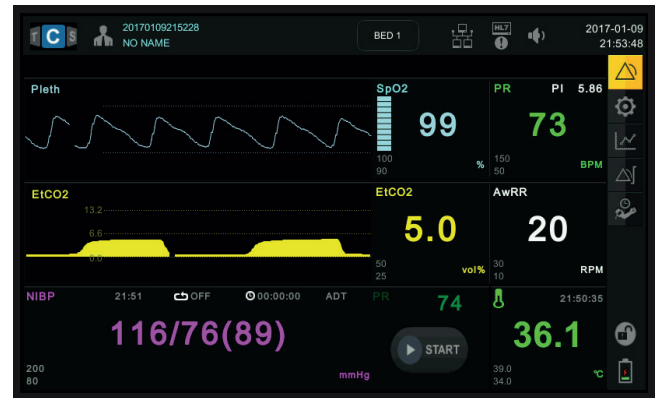
Real time data retrieve with barcode scanner



Advanced data management & storage up to 5000 cases of patient data



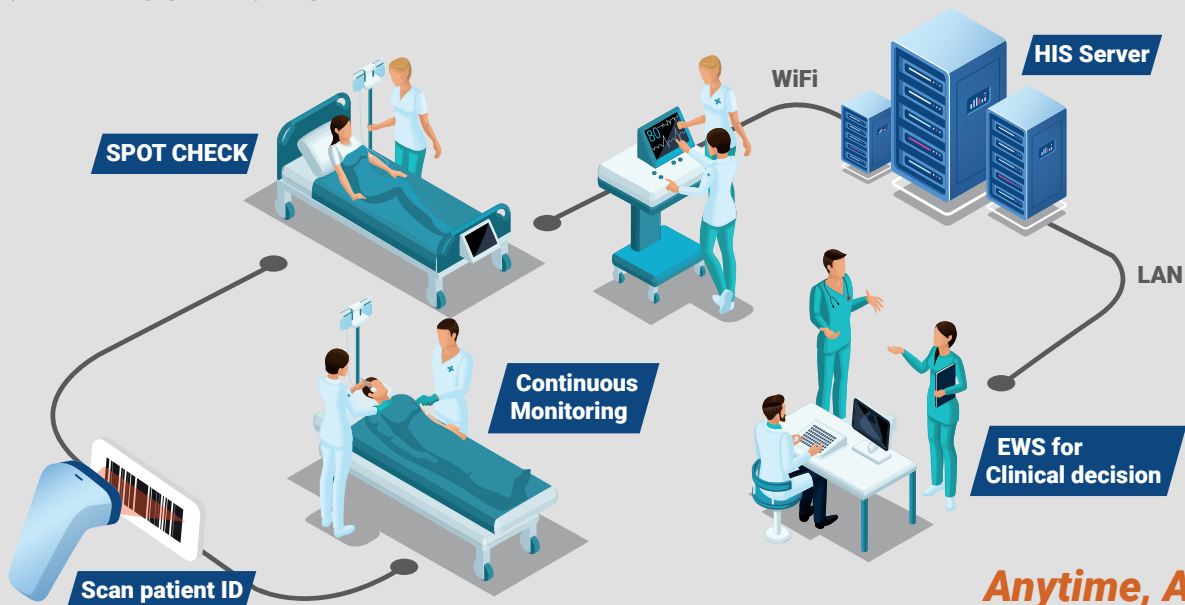
Triage mode with 5 types of EWS



Continuous mode with Respiration EtCO2 (Opt.)

## 5. Improve workflow and mobility

SCAN ► MEASURE ► SAVE



**Anytime, Anywhere simultaneous HIS connectivity**



## SPECIFICATIONS

Hardware specifications	
<b>Dimension (W x H x D)</b>	188 x 180 x 62 mm
<b>Weight</b>	Approx. 1.5kg
<b>Display</b>	7" color TFT-LCD full touch screen
<b>Resolution</b>	800 x 480 pixels
<b>Parameters</b>	SpO2, Pulse Rate, Systolic BP, Diastolic BP, Mean BP, Temperature(IR), EtCO2, FiCO2, Airway Respiration Rate
<b>Trace</b>	2 waveforms : SpO2, EtCO2 Sweep speed : 6.25, 12.5, 25, 50 mm/sec
<b>Indicators</b>	Categorized alarms (3 priority levels) SpO2 pitch tone, Battery status, External power LED
<b>Interfaces</b>	DC input connector : 15VDC, 2.0A LAN digital output for transferring data Nurse call system connection: - 0.3A at 125VAC - 1A at 24VDC External monitor connection: HDMI USB barcode reader USB data storage
<b>Battery</b>	Rechargeable Li-ion battery 4 hours for continuous operation (max.)
<b>Data Storage</b>	168 hours trends, 5000 cases of patient data
<b>Language</b>	English, French, Spanish, Italian, Germany, Chinese, Russian, Czech, Bulgarian, Polish, Portuguese, Romanian, Hungarian, Turkish, Korean

Environment	
<b>Temperature</b>	Operation: 5 ~ +40 °C (41 ~ 104 °F) Storage: -20 ~ +60 °C (-4 ~ +140 °F)
<b>Humidity</b>	Operation: 30% ~ 85%, Storage: 10% ~ 95% (Package)
<b>Altitude</b>	Operation: 525 ~ 795 mmHg (70 ~ 106 kPa) Storage: 375 ~ 795 mmHg (50 ~ 106 kPa)

Temperature	
<b>Measurement range</b>	34 to 42.5 °C (93.2 to 108.5 °F) (IR Thermometer is optional.)
<b>Accuracy</b>	36 to 39 °C : ±0.2 °C (Other: ±0.3 °C)

SpO2	
<b>Saturation range</b>	0 to 100%
<b>Saturation accuracy</b>	70 to 100% ±2 digits 0 to 69% unspecified
<b>Pulse rate range</b>	30 to 254 bpm
<b>Pulse rate accuracy</b>	±2 bpm

NIBP	
<b>Method</b>	Oscillometric
<b>Operation Mode</b>	Manual/Automatic/Continuous
<b>Measurement range</b>	Systolic : 40 to 260 mmHg MAP : 26 to 220 mmHg Diastolic : 20 to 200 mmHg
<b>Accuracy</b>	mean error: less than ±5 mmHg standard deviation : less than 8 mmHg Meets accuracy requirements of ANSI/AAMI SP10:1992 and 2002 (Optional SunTech module)

Sidestream CO2 (Optional)	
<b>Measurement range</b>	0 to 150 mmHg, 0 to 19%
<b>Accuracy</b>	0-40mmHg ±2 mmHg, 41-70mmHg ±5% of reading, 71-100mmHg ±8% of reading, 101-150mmHg ±10% of reading
<b>Respiration rate</b>	2 to 150 breaths per minute
<b>Respiration accuracy</b>	±1 breath per minute

Mainstream CO2 (Optional)	
<b>Measurement range</b>	0 to 150 mmHg, 0 to 19%
<b>Accuracy</b>	0-40mmHg ±2 mmHg, 41-70mmHg ±5% of reading, 71-100mmHg ±8% of reading, 101-150mmHg ±10% of reading
<b>Respiration rate</b>	0 to 150 breaths per minute
<b>Respiration accuracy</b>	±1 breath per minute



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