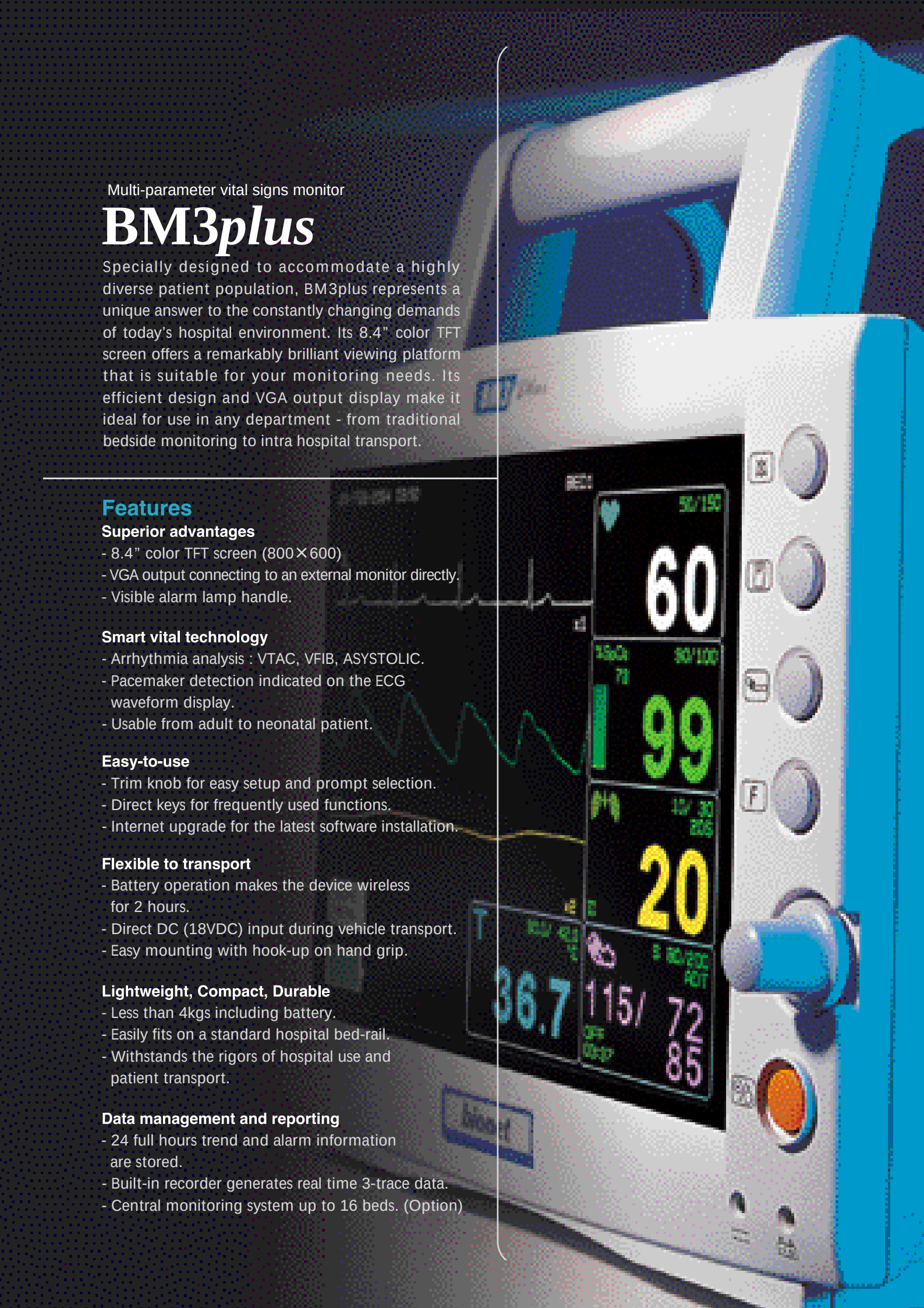
Multi-parameter vital signs monitor

BM3*plus*

Specially designed to accommodate a highly diverse patient population, BM3plus represents a unique answer to the constantly changing demands of today's hospital environment. Its 8.4" color TFT screen offers a remarkably brilliant viewing platform that is suitable for your monitoring needs. Its efficient design and VGA output display make it ideal for use in any department - from traditional bedside monitoring to intra hospital transport.



Features

Superior advantages
- 8.4" color TFT screen (800×600)
- VGA output connecting to an external monitor directly.
- Visible alarm lamp handle.

Smart vital technology
- Arrhythmia analysis : VTAC, VFIB, ASYSTOLIC.
- Pacemaker detection indicated on the ECG waveform display.
- Usable from adult to neonatal patient.

Easy-to-use
- Trim knob for easy setup and prompt selection.
- Direct keys for frequently used functions.
- Internet upgrade for the latest software installation.

Flexible to transport
- Battery operation makes the device wireless for 2 hours.
- Direct DC (18VDC) input during vehicle transport.
- Easy mounting with hook-up on hand grip.

Lightweight, Compact, Durable
- Less than 4kgs including battery.
- Easily fits on a standard hospital bed-rail.
- Withstands the rigors of hospital use and patient transport.

Data management and reporting
- 24 full hours trend and alarm information are stored.
- Built-in recorder generates real time 3-trace data.
- Central monitoring system up to 16 beds. (Option)

TECHNICAL SPECIFICATION

General >>>

Monitor Performance Specifications

Display	8.4" color TFT (800×600)
Dimension	238(W)×250(H)×163(D)㎜, Approx. 3.5kg
Indicators	Up to 3 waves (ECG, SpO2, Respiration) Categorized alarms (3 priority levels) Visual alarm lamp handle Heart rate tone Battery status External power LED
Interfaces	DC input connector: 11 to 16 VDC, 3A max.. Defib Sync Output Signal Level : 0 to 5 V pulse Pulse Width : 100±10 ms LAN digital output for transferring data VGA output
Battery (standard)	Internal battery : sealed lead-acid Battery status indicator Operating Time : 2.5 hours typically (fully charged battery)
Thermal Printer (Optional)	Speeds : 25 ,50 ㎜/sec Paper Width: 58㎜

Graphical and Tabular Trends

Tabular Trends	Memory Storage : 24 hours Data Interval : 1, 5, 15, 30 min., and 1hour Tabular Format : One table for all variables
Graphical Trends	Display Duration : 30, 60, 90 minutes, 3, 6, 12 hours

accessory

Standard accessory	3-lead patient cable 1ea electrodes 10ea NIBP tubing, 3 m long 1ea Adult cuff, 25-35 cm, reusable 1ea SpO2 sensor extension cable(2 m) 1ea SpO2 sensor, reusable 1ea DC adapter, 18VDC, 2.5A 1ea
Optional accessory	Temperature probe Surface/Skin, reusable(OPTION) Thermal paper. (OPTION) 5-lead patient cable(OPTION)

Performance >>>

ECG

Leads	3 leads
Heart Rate Range	30 to 300 bpm
Heart Rate Accuracy	± 3 bpm
Bandwidth	0.5 Hz to 40Hz
Display Sweep Speeds	25㎜/sec
ECG Size (Sensitivity)	0.5, 1, 2, 4 ㎷/cm
Pacemaker Detection Mode	Indicator on waveform display, user selectable
Differential Input Impedance	>5MΩ
CMRR	>90dB at 50 or 60Hz
Input Dynamic Range	± 5 mVAC, ± 300 mVDC
Defibrillator Discharge	<5 s
Defib. artifact recovery time	<8 s
Arrhythmia analysis	VTAC/VFIB VTAC ASYSTOLIC
Lead-Off Detection with display indicator	

SpO2

% Saturation Range	0% to 100%
Pulse Rate Range	30 to 300 bpm
SpO2 Accuracy	70% to 100% ± 2 digits 0% to 69% unspecified
Pulse Rate Accuracy	± 3 bpm

NIBP

Technique	Oscillometric
Measurement Modes	Manual : Single measurement Auto: Automatic intervals of 1,2,3,4,5 10,15,20,30 min. and 1,2,4,8 hr.
Cuff Pressure Display	30 to 300 mmHg
B.P. measurement range	Systolic : 60 to 250 mmHg Mean Arterial Pressure: 45 to 235 mmHg Diastolic : 40 to 220 mmHg
Adjustable Cuff Inflation Pressure	

Respirations

Range	5 to 120 breaths/min
Accuracy	± 3 breaths/min
Display Sweep Speeds	25㎜/sec

Temperature Unit

Range	15 ℃ to 45 ℃ (59°F to 113°F)
Accuracy	25°C to 45°C±0.1°C 15°C to 24°C±0.2°C
Compatible with	YSI Series 400 Temperature Probes

*Specifications subject to change without prior notice.

4F, KICOX Venture Center, 188-5,
Guro-Dong, Guro-Gu, Seoul, South Korea
Tel : +82 2 6300 6419(Int'l) +82 2 6300 6413(Domestic)
Fax : +82 2 6300 6425
E-mail:cichoi@bio2net.com(Int'l)
yunms@bio2net.com(Domestic)
www.bio2net.com www.agamom.com