Brio X series Patient Monitor

See **more**, Decide **better**

Brio X30

Brio X70

Brio X50

Explore

Quick, easy, yet versatile for trustworthy and effective care

bionet

www.ebionet.com

Scan for more detail

Brio X70/50/30 Patient Monitor

Optimized simplicity to empower your workflow

From EMS to ICU, Brio X series contain the most demanded features of daily clinical workflows
With a wide range of parameters, comprehend the patient status quicker, and make your decisions better

Advanced Scoring System
- Early Warning Score (EWS)
- Glasgow Coma Scale (GCS)

Enhanced Cardiac Monitoring
- 12CH Resting ECG algorithm
- Bionet patented ST Map

Neurology Monitoring
- EEG Level Monitoring
- NMT Monitoring

Anesthesia Monitoring
- Multi-gas analyzer with O2, N2O monitoring
- ICG Non-invasive hemodynamic monitoring

Modular Upgradability
- Paramount : Pre-configurable external ICU module box
- External printer module

Intuitive & Easy Interface
- One layer menu structure with short-cut buttons
- Snap-shot with 16 sec full disclosure

Optimized for urgent situations

Brio X series have a simple yet robust design with user-friendly interfaces for operations under significant pressure

Versatile applications, from EMS to High Acuity Units
- Compatible external modules & accessories across Brio X series
- Choose from simple & easy numeric view to full graphical display with parameter waveform display select menu

Ergonomic and robust design
- Easy battery insertion with optional battery expansion
- IPX2 test approved through shock and vibration test

High Resolution Touch Display
- Capacitive touchscreen with additional trim knob
- Bright backlit LCD with high resolution display
  - Brio X70 : 15.6″ (1,366 × 768)
  - Brio X50 : 12.1″ (1,280 × 800)
  - Brio X30 :   8″ (1,024 × 600)

ICU monitoring with easy mounting module
- ETCO2 (All models)
- ICG Non-invasive hemodynamic monitoring
- Multi-gas analyzer
- Anesthesia monitoring with NMT, EEG

■ Early risk management with EWS, GCS

Brio X series offers 5 types of EWS (Early Warning Score) and GCS (Glasgow Coma Scale)
With scoring system of Brio X series, it is now easier and faster to assign the right treatment

EWS (Early Warning Score)

· Physiological scoring system

· Supporting protocols : NEWS, MEWS, PEWS, MEOWS, TEWS
· 4 Color indications by total score
  - Green : Normal
  - Yellow/Orange : Potential risk
  - Red : Critical

GCS (Glasgow Coma Scale)

· Practical method to assess one's consciousness based on the response of eye, verbal, and motor movement towards a stimuli
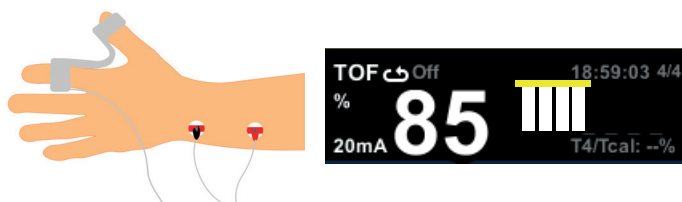

· 3 Color indications by total score

3~8	9~12	13~15
Severe	Moderate	Mild

■ Monitor anesthesia level with NMT & EEG

The continuous monitoring of anesthesia during procedures are vital for the safe recovery of patients

NMT (Neuromuscular transmission monitoring)

· Monitoring the transfer of the impulse between nerves and muscles in neuromuscular junctions

Stimulation mode

· TOF : Train of Four
· ST : Single Twitich
· PTC : Post Tetanic Count
· DBS : Double Burst Stimulation
· TET : Tetanus

0~75	75	80	90	100
Four Twitches	Three Twitches	Two Twitches	One Twitch	Twitch Absent

qCON

· Depth of anesthesia and nociception monitoring by EEG

Advantages

· Accurate dosage of hypnotics and analgesics
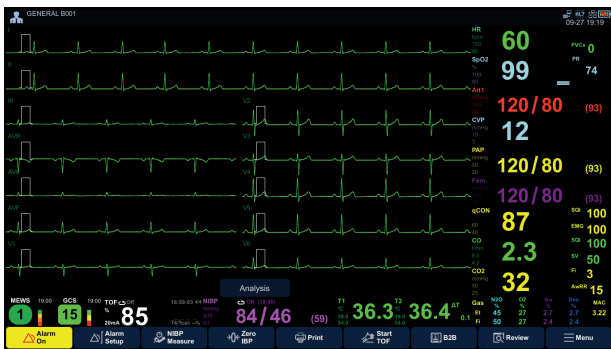· Reduced opioid dosage prescribed by post-anesthesia care unit

99	80	60~40	0
Awake	Sadation	General Anesthesia	Deep Anesthesia

▪ Advanced cardiac monitoring & Interpretation

12CH diagnostic ECG and Bionet patented ST Map provide a reliable, accurate ECG diagnosis references under any circumstances
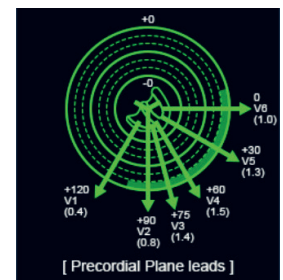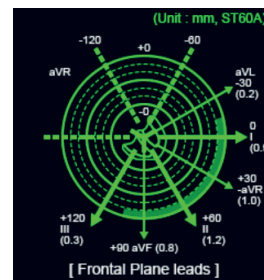
12CH ECG at a glance

- Easily readable 12CH ECG and straight foward data combined with physiological will help caregivers to see more detail
- Comprehend patient cardiac status in no time
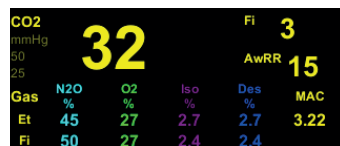

Bionet patented ST Map

- Visual information of ST Map deviation and spatial orientation
- Intuitive and easy to understand each clinical location of subendocardial ischemia and transmural injury
- More frequent, quick, and accurate monitoring to enhance medical treatment for cases of myocardial ischemia

[Frontal Plane leads]   [Precordial Plane leads]

▪ Advanced anesthesia monitoring

For patient's post-op recovery, Brio X series offer comprehensive parameters for ICU application, with non-invasive solution for hemodynamic monitoring and effective anesthesia gas monitoring

Platinum Multi-gas Analysis

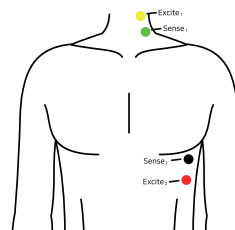### Most used, most reliable Multi-gas Analysis

- Side-stream method detection system
- Multi-gas parameters

CO2, N2O, O2, ISO, EVO, ENF, HAL, SEV

- MAC (Minimum Alveolar Concentration) indication
- Multi-gas shuts down auto-pump for water-protection
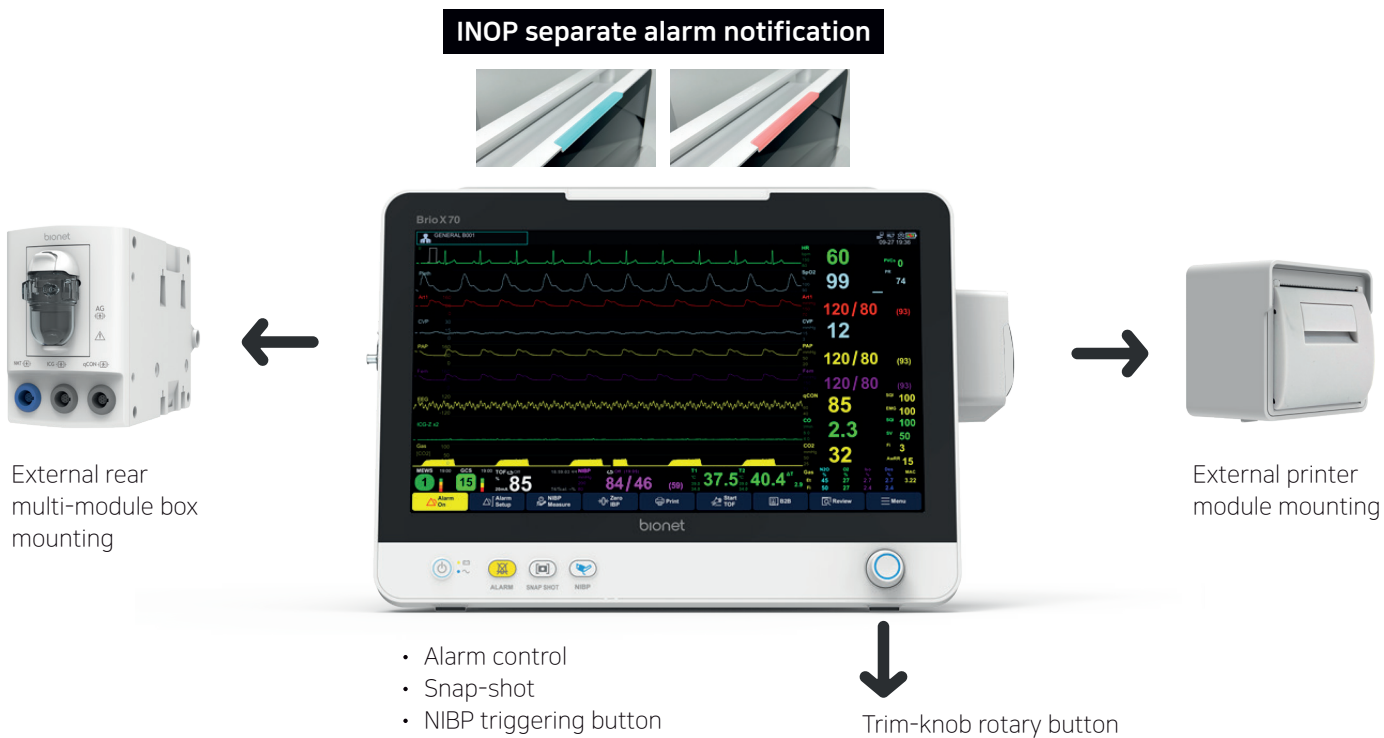- Auto ID & Auto Gas detection mode

ICG (Impedance cardiography)

- Non-invasive hemodynamic monitoring

Safe, cost effective, reliable and easy operation

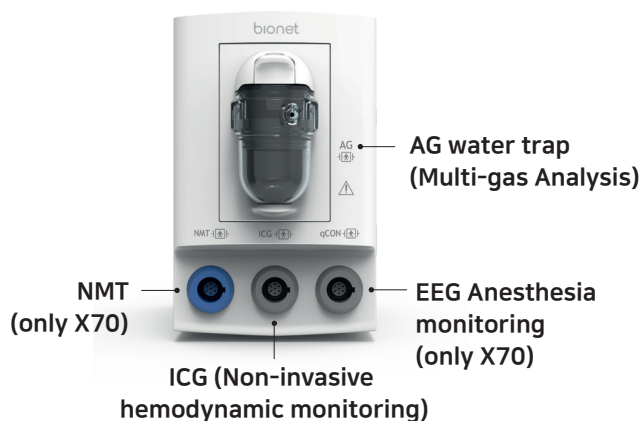- ICG Parameters : CO (HR × SV), SV, HR, SQI
- Safe cardiac output calculation by non-invasive method
- Optimization of the dosing of hypnotics and analgesics

▪ Intuitive, user-friendly, modular upgrade

INOP separate alarm notification

External rear
multi-module box
mounting

External printer
module mounting

- Alarm control
- Snap-shot
- NIBP triggering button

Trim-knob rotary button

▪ Paramount module box with easy mounting & plug-In design

* Paramount module box is compatible with Brio X70/50 patient monitors

AG water trap
(Multi-gas Analysis)

**NMT
(only X70)**

**EEG Anesthesia
monitoring
(only X70)**

**ICG (Non-invasive
hemodynamic monitoring)**

Pre-configured module available up to 4 selections among AG, NMT, ICG, EEG anesthesia monitoring

- Side-stream reusable water trap for single patient use
- DRYLINE Semi-disposable water trap
- Simply-drained, extractable design
- Auto-pump shut down system to protect circuit from moisture
- Easy mounting design compatible with Brio X70/50 patient monitors

Flexible monitoring with external mounting modules

The Paramount module box is suited for covering from low to high acuity application with pre-configured 4 modules for future capacity
One Paramount module is compatible across Brio X70/50 patient monitors with its easy plug-in design

▪ See wide, act fast with network solution & BM Central
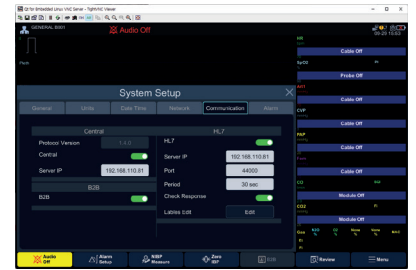
BM Central monitoring system & Network mode

- Dual wide screen that covers 32 patients at one site
- Profile Remote alarm control & data viewer access with client mode
- Easy charting directly to EMR with HL7 data output
- Comprehensive data trend from admin to discharge in 10 days
- Convenient NIBP Start/Stop command with STAT On/Off
- Bed to Bed monitoring access across all Brio X series

Central Monitoring :
4-bed & 1-bed enlarge Display

Central Monitoring :
6-bed Display

HL7 Setting Display

▪ Easy profile management & cyber security

Easy profile transfer via USB

Conveniently transfer your profile and settings to other devices via USB and save time from installation

- Devices settings
- Alarm settings
- User profile settings
- Trend settings

* It is recommended to use USB memory after anti-virus scanning

* Network settings are not included due to cyber security measurement

HIPAA Complaint & cyber security protected

Brio's data architecture is designed to meet the requirements for HIPAA compliance as well as cyber security measurements to encrypt and protect patient data

- Encrypted network data transfer
- Different ID, password, roles and authority bey user
- Auto standby shuts down when not in use
- Hidden patient name and hospital information
- Event log information

■ Robust design with user-friendly usability

"One Touch" design for easy
pole, rollstand and wall mounting

Easy-Release battery pack

IPX2 rated

■ Brio X70/50/30 line up

From low to high acuity, choose the Brio X monitor that best suits your workflow

Model Configuration

	Screen	ECG		SpO2		NIBP		Temp ✳	IBP ✳	ETCO2 ✳	Printer	Muti-gas analyzer	Non-invasive CO	NMT	EEG Anesthesia Monitoring	EWS /GCS
		7CH	12CH	Bionet	Nellcor OxiMax	Bionet	Suntech									
Brio X70	15.6"	●	●	●	●	●	●	Continuous 2CH	4CH	●	●	●	●	●	●	●
Brio X50	12.1"	●	●	●	●	●	●	Continuous 2CH	4CH	●	●	●	●	N/A	N/A	●
Brio X30	8"	●	N/A	●	●	●	●	Continuous 2CH	2CH	●	●	N/A	N/A	N/A	N/A	●

● Standard　● Option　* N/A : Not Available

✳ Temp/IBP/ETCO2 : Cables and sensors are optional items

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