



AnyView A3

Modular Patient Monitor

NEW

- 8" TFT LCD display, high resolution.
- Advanced Modular monitoring.
- Lithium battery, long life time.
- Light weight, Portable design.
- Touch Screen.(Option)

 **BLT® BIOLIGHT**

[Http://www.blt.com.cn](http://www.blt.com.cn)

Anyview A3 Main Unit Size and Weight

- Size : 278mm×250mm×192mm
- Weight : ≤4.2kg
- Standard module slot: 1
- Additional module rack Slot : 1

Power supply

- Power Voltage: AC 100-240V 50/60Hz
- Power Input: ≤150VA
- Input Current: 1.0~0.5A
- Safety class: Category I

Display

- 8" Color Anti-glare TFT-LCD
- Resolution : 800×600 pixels

Battery

- Type: Rechargeable Lithium battery, 11.1V/4.0AH
- Operating time under the normal use and full charge : ≥200minutes
- Charge time: 6 hour to 100% capacity (Standby)

Recorder (Option)

- Method : Thermal dot array
- Paper width : 50 mm (1.97 in)
- Paper length: 15m
- Paper Speed : 12.5 / 25 / 50 (mm/sec)
- Traces : Maximum 3 tracks
- Recording way : Real-time recording, Periodic recording, Alarm recording

Alarm

- Level : Low, medium and high
- Indication : Auditory and visual
- Patient Physiological Alarm Light color: Yellow & Red
- Equipment Technical Alarm Light color: Blue
- Supports Pitch Tone and multi-level volume;
- Supports custom arrhythmia tone

Input device

- Touch screen option.
- Knob: standard config
- Mouse input: Support
- Keyboard input: Support

System Output & Extensible Interfaces

- Ethernet Network : 1 Standard RJ45 socket
- Defibrillation Output : 1 RJ11 socket
- Nurse Call: 1 BNC socket
- Video Output : 1 VGA port
- USB1.1 port : 2
- 12V DC input : 1 socket
- SD memory card : 2G (Option)
- Analog Output (ECG or IBP) : Option

Trend & Reviewing :

- Trend : 168 hours
- NIBP measurement reviewing : 1000 groups
- ARR event: 128 groups of ARR event and the associated waveform.
- Alarm events: 128 groups of parameter alarm events and associated parameter waveform at the alarm moment
- Holographic waveform: The storage time depends on the stored waveforms and the quantity of them.

Environment

- Operating temperature : 0~+40°C
- Storage temperature : -20°C to +50°C
- Operating humidity : 15% to 85% (non condensing)
- Storage humidity : 10% to 93% (non condensing)
- Operating atmospheric pressure : 860hPa to 1060hPa
- Storage atmospheric pressure : 500hPa to 1060hPa

Safety:

- IEC60601-1 Approved, CE marking according to MDD93/42/EEC

Performance:

ECG

- Lead Mode : 3-leads ECG input
5-leads ECG input
12-leads ECG input
- Lead selection : I, II, III
I, II, III, aVR, aVL, aVF, V1~V6
I, II, III, aVR, aVL, aVF, V1~V6 (option)
- Gain : 2.5 mm/mV(×0.25), 5 mm/mV(×0.5), 10 mm/mV(×1),
20 mm/mV(×2), 40 mm/mV(×4), Auto
- CMRR : Monitor mode ≥105dB
Surgery mode ≥105dB
Diagnostic mode ≥90dB
- Frequency response (-3dB):
Monitor mode 0.5~40Hz
Surgery mode 1~25Hz
Diagnostic mode 0.05~150Hz
- Input impedance : ≥5.0 Mohm
- ECG signal range : ±10.0 mV
- Electrode offset potential: ±500 mV
- Patient Leakage Current : <10 uA
- Standardizing signal : 1 mV ± 5%
- Baseline recovery : <5s after Defibrillation. (Mon or Surg mode)
- Indication of electrode separation : Every electrode (exclusive of RL)
- Protection: Breakdown Voltage 4000VAC 50/60Hz; defibrillator proof
- Sweep speed : 12.5mm/s, 25mm/s, 50mm/s

HR

- Range : Adult 10~300 bpm
Pediatric & Neonate: 10~350bpm

Refreshing time : ≤50 bpm Per 2 pulses
50~120bpm Per 4 pulses
≥120bpm Per 6 pulses

- Resolution : 1 bpm
- Accuracy : ±1% or ±1 bpm, whichever is greater

ST segment

- Measurement range : -2.0mV~2.0mV
- Accuracy: -0.8mV~0.8mV: ±0.02mV or ±10% whichever is greater
Over ±0.8mV: unspecified
- Resolution : 0.01mV

RESP

- Method : Thoracic impedance
- Lead Selected from: I (RA-LA) or II (RA-LL); Default: I
- Gain : x0.25, x1, x2, x4
- Bandwidth: 0.25 Hz to 2.0Hz (-3dB)
- Sweep speed : 6.25mm/s, 12.5mm/s, 25mm/s
- Measurement Range : 0~150 rpm
- Resolution : 1 rpm
- Accuracy : ±2 rpm or 2% whichever is greater
- Delay of Apnea Alarm : 10s, 15s, 25s, 30s, 35s, 40s, 45s, 50s, 55s, 60s

NIBP

- Way of measurement : Automatic oscillometry
- Range of measurement :
Adult : SYS 30~270 mmHg
DIA 10~220 mmHg
MAP 20~235 mmHg
Child: SYS 30~235 mmHg
DIA 10~220 mmHg
MAP 20~225 mmHg
Neonate: SYS 30~135 mmHg
DIA 10~100 mmHg
MAP 20~125 mmHg
- Cuff pressure range : 0~300 mmHg
- Resolution : 1 mmHg
- Pressure Accuracy : Static : ±2% or ±3 mmHg, whichever is greater
Clinical : ±5 mmHg average error
standard deviation : ≤8 mmHg
- Unit: mmHg, kPa
- Measurement mode: Manual, Auto, STAT
- Intervals for AUTO measurement time : 1, 2, 3, 4, 5, 10, 15, 30, 60, 90 minutes;
2, 4, 8, 12 hours
- STAT mode cycle time : Keep 5 minutes, at 5 seconds interval
- Overpressure Protection : Hardware and software double protections
- Pulse rate range : 40 ~ 240 bpm

BLT-SpO2 (Digital Technic)

- Measurement Range : 0~100%
- Resolution : 1%
- Accuracy : At 70~100%, ±2%
At 0~69%, unspecified

PR

- Measurement Range : 25~255 bpm
- Resolution : 1 bpm
- Accuracy : ±1% or ±1 bpm, whichever is greater

Nellcor-SpO2 (option)

- Measurement Range : 0~100%
- Resolution : 1%
- Accuracy : At 70~100%, ±2% (Adult)
At 70~100%, ±3% (Neonate)
At 70~100%, ±2% (Low Perfusion)
At 0~69%, unspecified

PR

- Measurement Range : 20~300 bpm
- Resolution : 1 bpm
- Accuracy : 20bpm to 250bpm: ±3 bpm
251bpm to 300bpm: unspecified

Masimo SpO2 (option)

- Measurement range: 0% to 100%
- Resolution: 1%
- Accuracy: 70% to 100%: ±2% (adult/pediatric, non-motion conditions)
70% to 100%: ±3% (neonate, non-motion conditions)
70% to 100%: ±3% (motion conditions)
0% to 69%: unspecified
- Average time: 2-4s, 4-6s, 8s, 10s, 12s, 14s, 16s

PR

- Measurement range: 25 bpm to 240 bpm
- Accuracy : ±3 bpm (non-motion conditions)
±5 bpm (motion conditions)
- Resolution: 1 bpm

TEMP

- Max Channel : 8
- Measurement way : Thermal resistance way
- Measurement Range : 0.0°C~50.0°C(32°F~122°F)
- Accuracy : ±0.1°C or ±1 °F (exclusive of probe)
- Resolution : 0.1°C or 1 °F
- Unit : Celsius (°C), Fahrenheit (°F)
- Connecting cable : Compatible with YSI-400 serial

IBP

- Max Channel : 8
- Measurement way : Directly invasive pressure measurement
- Sensitivity of transducer: 5uV/V/mmHg, ±2%
- Impedance of transducer: 300 to 3000Ω

- Measurement Range : -50 ~ +350 mmHg
- Resolution : 1mmHg
- Unit : mmHg, kPa, cmH2O
- Accuracy : Static: ±1 mmHg or ±2%, whichever is greater (exclusive of transducer)
±4 mmHg or ±4%, whichever is greater (inclusion of transducer)
Dynamic: ±4 mmHg or 4%, whichever is greater
- Transducer sites : Arterial Pressure (ART)
Pulmonary Artery Pressure (PA)
Left Atrium Pressure (LAP)
Right Atrium Pressure (RAP)
Central Venous Pressure (CVP)
Intracranial Pressure (ICP)
P1/P2

- Selection of measurement range :
ART : 0 ~ +350mmHg
PA : -10 ~ +120 mmHg
CVP/RAP/LAP/ICP: -10 ~ +40 mmHg
P1/P2 : -50 ~ +350 mmHg

EtCO₂ (Sidestream)

- Measure method : Infrared spectrum
- Measurement Range : 0.0~13.1% (0~99.6 mmHg)
- Resolution : 1 mmHg
- Unit : %, mmHg, kPa
- Accuracy : 0% to 4.9%, ±0.3% (±2.0 mmHg)
5.0% to 13.1%, < ±10 % of the reading
- Measurement range of awRR : 3~150 rpm
- Calibration: Offset calibration: auto, manual, Gain calibration

EtCO₂ (Mainstream)

- Measure method : Infrared spectrum
- Warm up time : Capnogram displayed in less than 15 seconds, At an ambient temperature of 25° C, full specifications within 2 minutes.
- Measurement Range : 0.0~19.7% (0~150 mmHg)
- Resolution : 1 mmHg
- Rise time (10 l/min) : ≤ 60 ms
- Unit : %, mmHg, kPa
- CO₂ Accuracy : 0 - 40 mmHg, ±2 mmHg
41 - 70 mmHg, ±5% of reading
71 - 100 mmHg, ±8% of reading
101 - 150 mmHg, ±10% of reading
(at 760 mmHg, ambient temperature of 35°C)
- awRR measurement range: 0~150 rpm
- awRR measurement Accuracy: ±1 rpm

EtCO₂ (Microstream)

- Measure method : Infrared spectrum
- Warm up time : Capnogram displayed in less than 20 seconds, At an ambient temperature of 25° C, full specifications within 2 minutes.
- Measurement Range : 0 ~ 19.7 % (0 - 150 mmHg)
- Resolution : 1mmHg
- Unit : %, mmHg, kPa
- CO₂ Accuracy : 0 - 40 mmHg, ±2 mmHg
41 - 70 mmHg, ±5% of reading
71 - 100 mmHg, ±8% of reading
101 - 150 mmHg, ±10% of reading
(at 760 mmHg, ambient temperature of 25°C)
(when RR>80 rpm, all the range is ±12% of reading)
- CO₂ response time: <3s
- awRR measurement range: 2~150 bpm
- awRR measurement Accuracy: ±1rpm
- Sample Flow Rate: 50 ml/min ±10 ml/min

Anesthetic Gas

- Measure method : Infrared spectrum
- Measure mode : Mainstream
- Fi and Et values : CO₂, N₂O, O₂, AG (HAL, ISO, ENF, SEV, DES)
- Resolution : 1%
- Unit : %
- Calibration : Room air calibration performed automatically when changing airway adapter (<5 sec)
- Warm-up time : <10 s, full accuracy within 1 min
- Measurement and alarm range of AG:

Gas	Range	Accuracy
CO ₂	0-10 %	± (0.3% ABS+4% REL)
N ₂ O	0-100 %	± (2% ABS+8% REL)
O ₂	10-100 %	± (2% ABS+2% REL)
HAL, ISO, ENF	0-5%	± (0.15% ABS+10% REL)
SEV	0-8%	± (0.15% ABS+10% REL)
DES	0-18%	± (0.15% ABS+10% REL)

- awRR measurement range : 0~150 rpm
- awRR measurement Accuracy : ±1 rpm
- Rise time (flowing speed 10 l/min)
CO₂ ≤ 90 ms
O₂ ≤ 300 ms
N₂O ≤ 300 ms
Hal, Iso, Enf, Sev, Des ≤ 300 ms
< 1 seconds

Noninvasive Cardio Output (ICG):

- Method: Measurement of thoracic electrical bioimpedance
- Measurement Range: HR: 40~250 bpm
SV: 5~250ml
SI: 5~125ml/m²
C.O : 1.4~15 L/min
TFC : 15~143 KQ
- Accuracy : HR ±2bpm
SV: unspecified
C.O unspecified
- Alarm range: C.I.: 0.0 L/min/m² to 15.0 L/min/m² continuously adjustable.
TFC: 10 /kΩ to 150 /kΩ continuously adjustable.

Standard configuration of Anyview A3:

Mainunit: 8" anti-glare TFT-LCD display, 1 Standard module slot, 1 Additional module rack Slot (for MPS all-in-one module), 1 RJ45 ethernet socket, 1 Defibrillation Output, 1 Nurse Call socket, 1 VGA output port, 2 USB1.1 port, 1 12V DC input socket, 1 Rechargeable Lithium Battery.

Option of AnyView A3:

MPS module: 8 kinds of option
Option Module: Sidestream CO₂ module, Microstream CO₂ module, Mainstream CO₂ module, AG module, ICG module, IBP module, Temp module, SpO₂ module
Navigating: USB compatible mouse and keyboard, Touch screen (option).
Printing: 3 channel thermal recorder
Mounting: Rolling stand, wall mount
Battery: 11.1V/4.0AH Rechargeable Lithium Battery(max 2 pcs).
Other options: External Display, Wireless Lan, Extensive Memory card, Analog Output (ECG or IBP), Touch Screen.

*Specifications subject to change without prior notice.

BIOLIGHT CO.,LTD.

Add: innovation first road, technology innovation coast zhuhai, CHINA Postcode: 519085

Tel: +86-756-3399999 3399983 Fax: +86-756-3399911 E-Mail: Overseas@blt.com.cn

BLT® BIOLIGHT
Http: //www.blt.com.cn