



# 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: 1.7~0.8A
- Safety class: Category I

Display

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

Battery (Option)

- Type: Rechargeable Lithium battery, 11.1V/4.0AH
- Operating time under the normal use and full charge : ≥300minutes (2 batteries for 600 minutes)

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 meomery 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, V-  
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 (-3d B):  
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;  
2,4,8,12hours
- 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 : 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: ± 1mmHg or ±2%, whichever is greater (exclusive of transducer)  
± 4mmHg or ±4%, whichever is greater (inclusion of transducer)  
Dynamic : ± 4mmHg 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

EtCO<sub>2</sub> (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

EtCO<sub>2</sub> (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
- CO<sub>2</sub> 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

EtCO<sub>2</sub> (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
- CO<sub>2</sub> 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)  
CO<sub>2</sub> response time: <3s
- awRR measurement range: 2~150 bpm
- awRR measuremen Accuracy: ±1rpm
- Sample Flow Rate: 50 ml/min ±10 ml/min

Anesthetic Gas

- Measure method : Infrared spectrum
- Measure mode : Mainstream
- Fi and Et values : CO<sub>2</sub>, N<sub>2</sub>O, O<sub>2</sub>, 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
CO2	0-10 %	± (0.3% ABS+4% REL)
N2O	0-100 %	± (2% ABS+8% REL)
O2	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)  
CO<sub>2</sub> ≤ 90 ms  
O<sub>2</sub> ≤ 300 ms  
N<sub>2</sub>O ≤ 300 ms  
Hal, Iso, Enf, Sev, Des ≤ 300 ms
- Total system response time : < 1 seconds

Noninvasive Cardio Output (ICG):

- Method: Measurement of thoracic electrical bioimpedanc
- Measurement Range: HR: 40~250 bpm  
SV: 5~250ml  
SI: 5~125mL/m2  
C.O. : 1.4~15 L/min  
TFC : 15~143 KΩ
- 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 configation of Anyview A3:

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

Option of AnyView A5:

EMS module: 8 kinds of option  
Option Module: Sidestream CO<sub>2</sub> module, Microstream CO<sub>2</sub> module, Mainstream CO<sub>2</sub> module, AG module, ICG module, IBP module, Temp module, SpO<sub>2</sub> module  
MPS module: 8 kinds of option  
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.

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