

TECHNICAL SPECIFICATION:

A5

Anyview A5 Main Unit

Size and Weight

- Size : 350mmX340mmX207mm
- Weight : 5.8kg
- Standard module slot: 4
- 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
- 12.1" Color Anti-glare TFT-LCD
- Resolution : 800X600 pixels

- Battery
- Type: Rechargeable Lithium battery, 11.1V/4.0AH
- Operating time under the normal use and full charge : ≥150minutes (2 batteries for 300 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 : 4
- Auxiliary Module Rack connector. 1
- 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
- Full Disclosure waveform : 24 hours for 3 waveforms

- Environment
- Operating temperature : 0°C ~ +40°C
- Storage temperature : -20°C ~ +45°C
- Operating humidity : 15% to 85% non condensing
- Storage humidity : 10% to 93% non condensing
- Operating atmospheric pressure : 800hPa 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, V2, V3, V4, V5, V6 (option)
- Gain : 2.5 mm/mV(x0.25), 5 mm/mV(x0.5), 10 mm/mV(x1), 20 mm/mV(x2), 40mm/mV(x4), 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 : ± 10.0mV
- Electrode offset potential: ± 500mV
- 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

Standard configuration of Anyview A5:

Mainunit: 12.1"Anti-glare TFT-LCD display, 4 Standard module slot, 1 Additional module rack Slot (for EMS all-in-one module), 1 RJ45 ethernet socket, 1 Defibrillation Output, 1 Nurse Call socket, 1 VGA port, 4 USB1.1 port, 1 Auxiliary Module Rack connector, 1 Lithium rechargeable battery.

Option of AnyView A5:

- Option Module: EMS (Emergency Mobile Server),MPS (Multi-Parameter Server), Sidestream CO₂ module, Microstream CO₂ module, Mainstream CO₂ module, AG module, ICG module, IBP module, Temp module, Masimo SpO₂ module, Nellcor SpO₂ module, CSM (Cerebral State Monitor) 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)

BIOLIGHT CO.,LTD.

Add: NO.2 Innovation First Road, Technical Innovation Coast, Hi-tech Zone, Zhuhai, P.R.China Postcode: 519085

Tel: +86-756-3399935 3399999 Fax: +86-756-3399911 E-Mail: Overseas@blt.com.cn

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

- Resolution : 1 bpm
- Accuracy : ± 1% or ± 1bpm, 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 : ± 2rpm 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 ± 3mmHg, 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 : ± 3bpm Non-motion conditions
- ± 5bpm 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)

- 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 (inclusive 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

- 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% (± 2mmHg)
- 5.0% to 13.1% : ± 10% of 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, ± 2mmHg
- 41-70 mmHg, ± 5% or reading
- 71-100 mmHg, ± 8% or 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% (0-150mmHg)
- Resolution : 1mmHg
- Unit : %, mmHg, kPa
- CO₂ Accuracy : 0-40 mmHg, ± 2mmHg
- 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% or reading)
- CO₂ response time : < 3s
- awRR measurement range : 2-150 bpm
- awRR measurement Accuracy: ± 1rpm
- Sample Flow Rate : 50 ml/min ± 10ml/min

- Anesthetic Gas
- Measure method : Infrared spectrum
- Measure mode : Mainstream or Sidestream
- 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

- Total system response time :

- Noninvasive Cardio Output (ICG):
- Method: Measurement of thoracic electrical bioimpedance
- Measurement Range: HR: 40-250 bpm
- SV: 5-250ml
- SI: 5-125ml/m²
- CO : 1.4-15 L/min
- TFC : 15-143 KΩ
- HR : ± 2bpm
- SV: unspecified
- CO unspecified

- Accuracy:

- 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.



AnyView A5

Modular Patient Monitor



NEW



*Specifications subject to change without prior notice.

A5-Y1202-1

Global Leading all-in-one modular patient monitor.

- 12.1" (800x600) anti-glare color TFT LCD display.
- Powerful measurement, ergonomic & flexible design.
- Rechargeable lithium battery can work more than 3 hours.
- Fanless cooling-down system, keep the monitor working quietly.
- Support various input ways (touch screen, prompt knob, keyboard, mouse), easy to operate.
- Dozens parameters with various modules assembled as need, easy upgrade, save replacement cost.



Dual alarm light



Backlight button



Abundant extension interface



Prompt Knob



SD storage card



Rechargeable lithium battery

Seamless transport solution, EMS can capture all monitoring information through post-operative care.



EMS Emergency Mobile Server

3.5" (320 × 240)
Color TFT LCD display

0.6 Kgs
Extremely Compact

1 Hour
Battery work time

8 Hours
Trend storage

480 Groups
NIBP data review.

- The simplest way to transport a patient, unplug and go, EMS with display, alarm, rechargeable battery and trend storage. Provide fast and convenient monitoring during patient transfer.
- Compact design, easily carried by patient, allowing patients the freedom to roam. Provide the best quality of care.
- 12 Lead ECG display in same screen.
- Gravity sensor, automatically change the display direction. Touch screen, Easy to operate.
- Parameter: ECG, SpO2, PR, RESP, TEMP, NIBP, IBP



Operating Room



Transportation



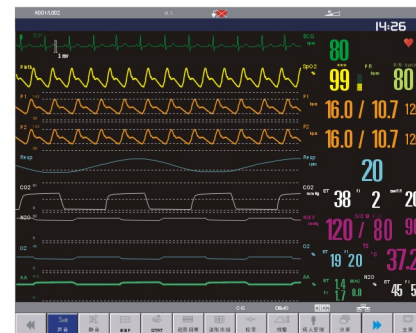
OCU ICU NICU

Unique high end parameter module can monitor the critically ill patient.

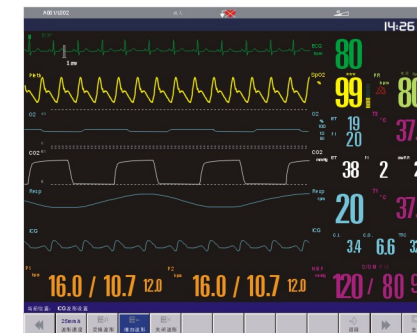
MPS Module (Option)



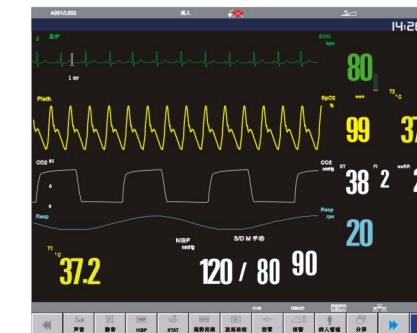
- **Masimo rainbow® SET Pulse CO-Oximetry module**
SpO₂, PR, PI, Total hemoglobin (SpHb[®])
Oxygen content (SpOC™), Carboxyhemoglobin (SpCO[®])
Methemoglobin (SpMet[®]), Pleth Variability Index (PVI[®])



- **Anesthesia Gas module**
Side stream or main stream
Automatic agent ID
Paramagnetic O₂ (only side stream)



- **ICG module (Non-invasive CO)**
Non invasive method to measure patient's cardio output and hemodynamic status.
Safe and easy operation.



- **EtCO₂ module**
Sidestream / Mainstream / Microstream
Various option can suit for intubated patient, ventilation relied patient, non-intubated patient.



- **Cerebral State Monitor (CSM) module**
Non-invasive monitoring the level of consciousness in the brain through data acquisition from the EEG signals of the anaesthetized or sedated patient in all areas of the hospital.