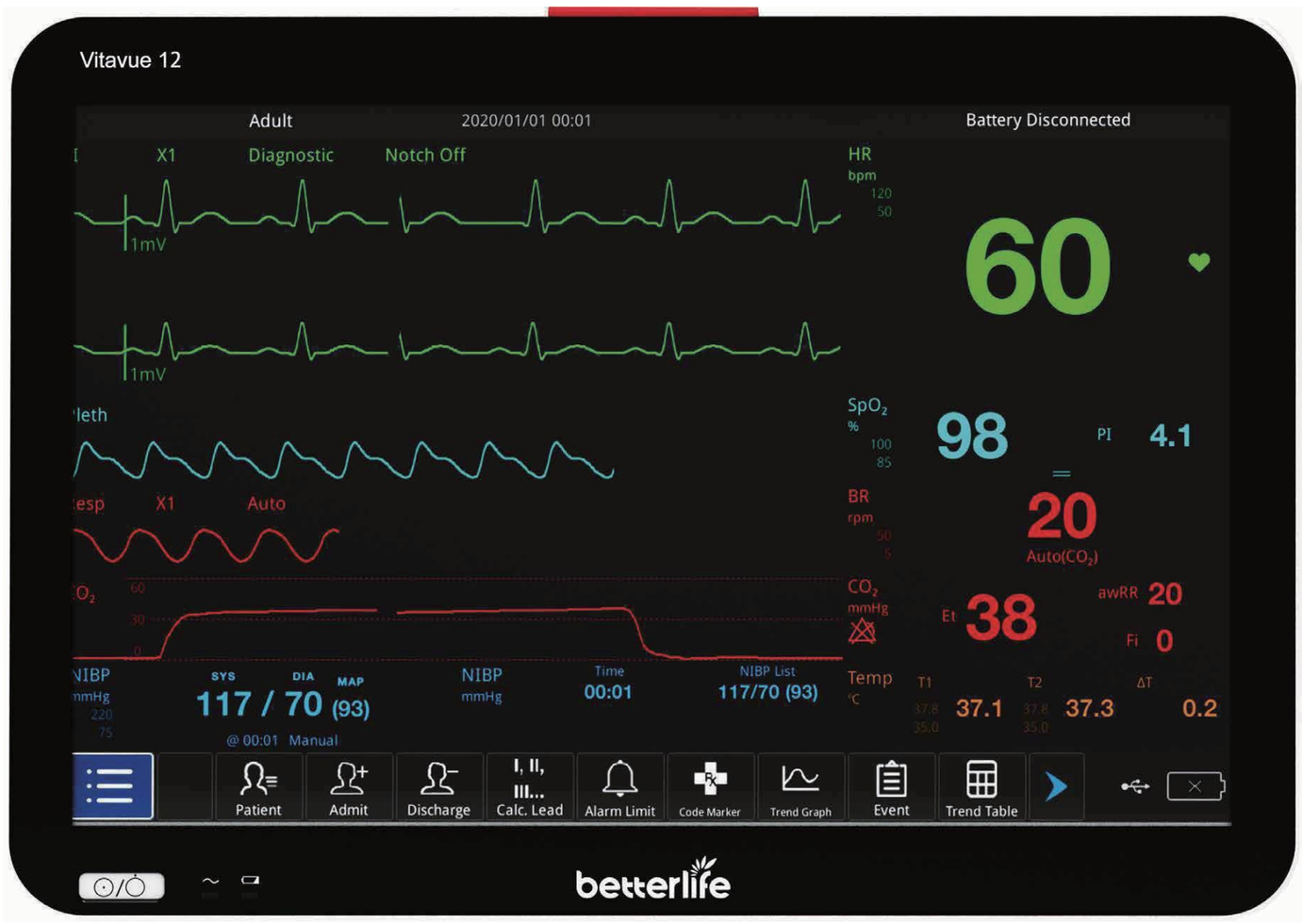
betterlife

Vitavue Series Patient Monitor



Vitavue 12

Together, we make life better.

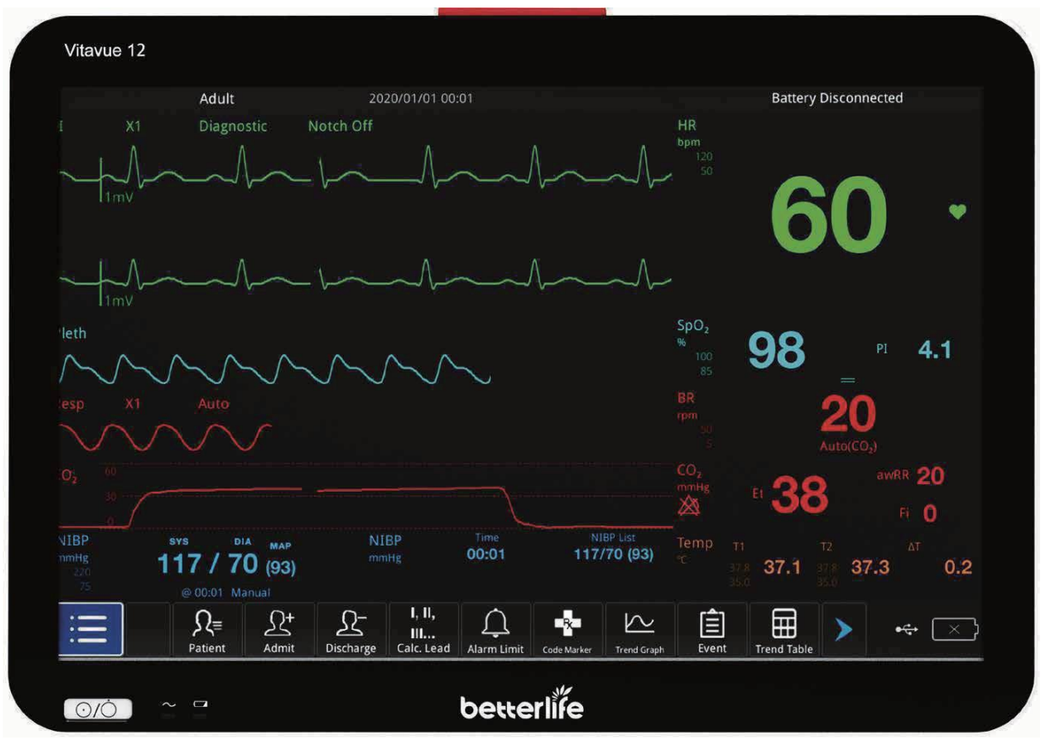
Vitavue 12

360 Degrees Alarm Light

Full brightness display from all angles

Compact Design

With an integral carry-handle
Modern, thin, light weight and portable



Color TFT Display 12.1"

1280 X 800 mm high resolution
170 degrees wide angle view
Anti-glare and flicker free technology with 10 levels of night modes
Deliver the best visual experience
Sweep speed: 6.25, 12.5, 25, 50 mm/sec

Rechargeable Lithium Battery

Support continuous working

2 hours (2600mAh), 4 hours (5200mAh)*

Powerful Data Storage

480 hours full-disclosure review
168 hours of tabular and graphic trends 4000 sets of data
100+ alarm events
Code marker function to locate specific clinical
data for enhanced decision making

Instant Upgrades and Maintenance

Optimized structural design for USB/HDMI ports
For quick and easy data transfer, software upgrade,
screen sharing, and nurse call station connections

Full Touch Screen

Seamless all-screen design
Easy to clean, water and dust proof
Access all functions intuitively in just one touch
Easy to operate with local language menu

Wide range of mounting solutions

Wall mount/bedside/rolling stand for any type of transportation

WIFI with smart IT solutions

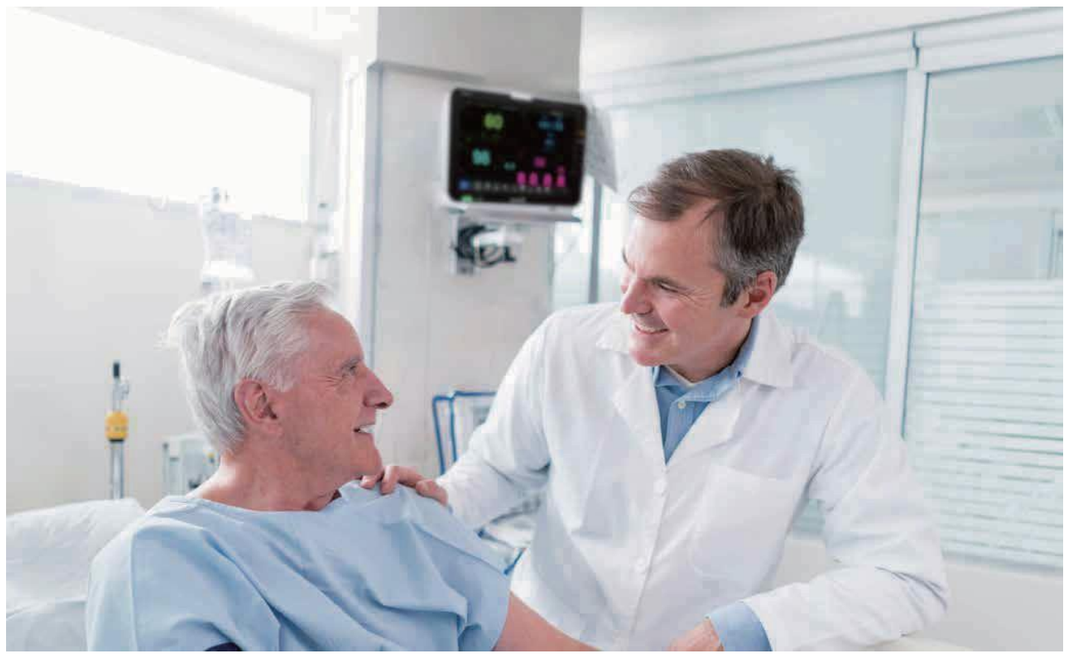
Wireless integration with Central Monitoring Station

Dynamic trends provide up to 240 hours of useful information for review 12 traces per monitor and 16 monitors on one screen

View up to 32 maximum bed on one platform in real-time

Review and manage patient data anytime and anywhere in and pre-hospital

Additional Features



Advanced technology for cost effective monitoring

Optional Advanced Parameters

Cost effective add-ons such as EtCO2, IBP, Anesthesia Gas/O2.
SpO2 Masimo/NIBP Suntech technology available.

SpO2 Algorithm

Outstanding motion resistance and interference resistance performance.

Real time perfusion index and low perfusion detection.

3/5/12 Leads ECG

Optimized for arrhythmia detection, pacemaker detection, and HR measurement.

3 kinds of filtering mode: diagnosis, monitoring and operation.

Arrhythmia analysis (ST segment included)

Asystole, Pause, VFlB/VTAC ... 23 arrhythmias can be analyzed

Main-stream and Side-stream EtCO2

World class main-stream and side-stream EtCO2 technology, especially accurate for micro-stream situation, and up to 150 RPM detection for patients with weak respiration and high respiratory rate.

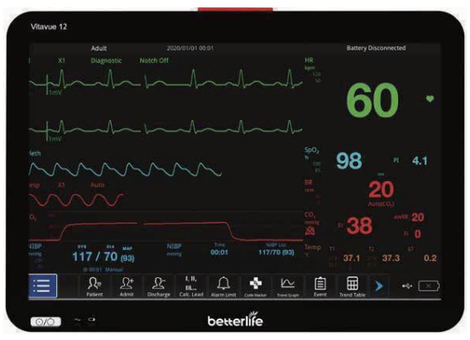
NIBP Module

Designed for cardiac patients, hypertensive patients, and neonatal patients. Dual CPU and overpressure protection.
Provides 10 automatic measurement time/ pre-inflation pressure settings. Supports air leakage detection, pressure calibration and pressure zero function.

Configurable Interface

Host up to 12 traces
Modules can be set up simply by clicking on the data segment.
Maximize the efficiency of clinicians.
Customizable hot keys to conveniently access frequently used functions.

Vitavue 12



12.1 touch screen

MASIMO

SunTech Medical®

Specifications

Specifications

Physical specifications

Vitavue 12 Model No: PMS8310-B

Dimensions: 295(W)x210(H)x126(D) mm **N.W**: 3.5KG

Power Supply

External power: 100-240V AC, 1.4A, 50-60Hz

Internal battery:

Rechargeable Li-on Battery

Standard 2600mAh 2 hours

Optional 5200mAh 4 hours

Recorder*

Print our parameters and 3 selectable waveforms

Paper width: 48mm

Print type: real-time, alarm, freeze, review, calculation

Print speed: 12.5mm/s, 25mm/s, 50mm/s

Data Storage

Graphic & tabular storage and review: 168 hours

NIBP record storage and review: 4000 sets

Full-disclosure review: 480 hours

NIBP

Method: Oscillometric

Mode: manual, auto, STAT

Auto mode: 5, 10, 15, 30, 60, 120,180, 240, 360, 480 min.

Pulse rate range: 40-240 bpm

Measuring range:

Adult mode

· SYS 40-290 mmHg

· DIA 10-215 mmHg

· MEAN 20-235 mmHg

Pediatric mode

· SYS 40-200 mmHg

· DIA 10-150 mmHg

· MEAN 20-165 mmHg

Neonatal mode

· SYS 40-135 mmHg

· DIA 10-100 mmHg

· MEAN 20-110 mmHg

Resolution: 1 mmHg

Precision:

Max average error: ±5 mmHg

Max standard error: 8 mmHg

Overpressure protection:

· Adult 300 mmHg

· Child 247 mmHg

· Newborn 145 mmHg

NIBP (Suntech)*

Method: Oscillometric

Mode: manual, auto, STAT

Pulse rate range: 40-220 bpm

Measuring range:

Adult mode

· SYS 40-260 mmHg

· DIA 20-200 mmHg

· MEAN 26-220 mmHg

Pediatric mode

· SYS 40-160 mmHg

· DIA 20-120 mmHg

· MEAN 26-133 mmHg

Neonatal mode

· SYS 40-130 mmHg

· DIA 16-110 mmHg

· MEAN 20-100 mmHg

Resolution: 1 mmHg

Precision:

Pulse rate accuracy: ±2% or ±3 bpm, whichever is greater

Transducer accuracy: ±3 mmHg over full range in operating condition

Overpressure protection: Yes

SpO2 (Nellcor)

Measuring range: 0-100%

Resolution: 1%

Precision:

Adult/pediatric: 70%-100% ±2%

Neonatal: 70%-100% ±2%

Pulse rate:

Measuring range: 25-300 bpm

Resolution: 1 bpm

Accuracy: The bigger one between ±2% or ±2bpm

Perfusion index: Measuring range: 0.1-20%

Resolution: 0.1%-9.99%, 0.01%; 10.0%-20.0%, 0.1%

SpO2 (Masimo)*

Measuring range: 0-100%

Resolution: 1%

Precision:

Adult/pediatric: 70%-100% ±2%

Neonatal: 70%-100% ±3%

Pulse rate:

Measuring range: 25-300 bpm

Resolution: 1 bpm

Accuracy: The bigger one between ±2% or ±2 bpm

ECG

Leads: 3/5/12*, AHA/IEC

Sensitivity: 1.25, 2.5, 5, 10, 20, 40mm/mV

Accuracy: ±5%

CMRR : > 110 dB

Sweep rate: 6.25, 12.5, 25, 50mm/s

Range of heart rate monitoring:

Adult: 15-300 bpm

Neonatal/pediatric: 15-350 bpm

Pacemaker detection

Defibrillation protection

RESP

Method: the thorax impedance method (used with ECG leads)

PR measurement range:

Adult: 0-120 rpm

Pediatric/neonatal: 0-150 rpm

Resolution: 1 rpm

Precision: The bigger one between ±2 rpm or ±2% (6-150 rpm)

Temperature

Channel: 2

Method: thermal

Measuring and alarm range: 0-50 °C

Resolution: 0.1 °C

Accuracy: ±0.1 °C (not including sensor)

Refresh time: 1-2 s

Temperature calibration: interval of 5 to 10 minutes

EtCO2 (BLMED mainstream or sidestream)*

Sample rate: 50±10ml/min (sidestream)

Measuring range:

· CO2: 0-99 mmHg

· AwRR: 0-150 brpm

Resolution:

· CO2: 1 mmHg

· AwRR: 1 brpm

Accuracy:

· CO2: ± (2 mmHg+2% of readings)

AwRR:

· ±1 brpm (0-70 brpm)

· ±2 brpm (71-120 brpm)

· ±3 brpm (121-150 brpm)

EtCO2 (Masimo mainstream or sidestream)*

CO2 range (IRMA): 0-99 mmHg

Accuracy: ± (0.2 vol%+2% of readings)

Rise time: RMA CO2 < 90 ms

System response time:

· IRMA CO2 < 1 sec

· ISA CO2 < 3 sec

Breath detect: Adaptive threshold minimum 1 vol% CO2 change

Respiratory rate: 0-150 bpm 1bpm

IBP*

Channel: 2

Measuring range:

· ART 0-300 mmHg · PA -6-120 mmHg

· CVP -10-40 mmHg · RAP -10-40 mmHg

· LAP -10-40 mmHg · ICP -10-40 mmHg

· P1-P2 -50-300 mmHg

Resolution: 1 mmHg

Precision: the bigger one between ±2 rpm or ±2% (6-150 rpm)

Pulse rate:

Measuring range: 25-250 bpm

Resolution: 1 bpm

Accuracy: the bigger one between ±3 % and ±3 bpm

C.O.*

Tb

Measuring range: 23.0~45.0S

Resolution: 0.1S

Accuracy: ±0.5S

Ti

Measuring range: -1.0~27.0S

Resolution: 0.1S

Accuracy: ±0.5S

CO

Measuring range: 0.20~20.00 L/min

Resolution: 0.01 L/min

Accuracy: ±5%

Masimo Anesthesia Gas*

Technology: Infra-red absorption characteristic

Gas: CO2, N2O, DES, ISO, ENF, HAL, SEV

Warm-up time accuracy mode: 20 s

Full accuracy mode: 60 s

Sample flow rate: 50±10 ml/min

Measuring range:

· CO2: 0-15%

· N2O: 0-100%

· HAL/ISO/ENF: 0-8%

· SEV: 0-10%

· DES: 0-22%

Respiratory rate: 0-150 bpm 1bmp

MAC value displayed

Oxygen Sensor*

· * O2 Measuring range: 0 - 100%

Network connection

· LAN Ethernet / WiFi*

· I/O interface

· Nurse call port

· USB interfaces

· HDMI extended interface*

Remark: the items marked by "*" are optional

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betterlife

VITAVUE

Multi Parameter Patient Monitor

Durable,reliable and affordable.

ISO 13485 CE 0123