

# iVita12 *Pro*



## Patient Monitor

- Wireless networking function to patient monitor
- Inside placed thermal-sensitive built-in printer (optional)
- IBP function (optional)
- ETCO2 function module (optional) (Respironics-main stream/side stream)
- Wall Mount/Trolley for patient monitor
- 12 volts Power supply for ambulance
- Having motion artifact algorithm and ability to work in low perfusion

# SPECIFICATIONS\*

## ECG

**Input:** 5 wires ECG cable  
**Lead section:** I, II, III, aVR, aVL, aVF, V  
**Gain (mm/mV) :** 1/4, 1/2, 1, 2, 4  
**Filter:** Diagnosis, Monitor, Surgery  
**Sweep speed(mm/sec):** 12.5, 25, 50  
**Heart rate range:** 30-254 BPM  
**Heart rate accuracy:** ± 1 %  
**ST segment deviation analysis:** -0.8-+0.8mV  
**ST accuracy:** ± 0.02m

## NIBP (Non-invasive blood pressure)

**Measurement type :** adult, pediatric, neonatal  
**Measurement range:** Systolic 4.0 - 37.0 kPa  
Diastolic 1.3 - 33.0 kPa  
Mean 2.6 - 35.0 kPa  
**Accuracy :** ± 0.4 kPa or 5 %  
**Resolution:** 0.1 kPa  
**Protection:** over pressure

## Temperature (surface and rectal)

**Measurement range:** 25.0 – 45.0 °C  
**Accuracy:** ± 0.1 °C  
**Resolution:** 0.1 °C  
**response time:** ≤ 3 min

## Pulse Rate

**SPO2 measurement range:** 0 - 100 %  
**Resolution:** 1 %  
**Pulse measurement range:** 30- 254BPM  
**Accuracy:** ± 2 %  
**Resolution:** 1 BPM

## IBP(Invasive blood pressure) (with venous punch)(Option)

**Measurement range:** -1.3~40kPa (-10~300mmHg)  
**Channel:** 2 channel  
**Transducer sensitivity:** 5MV/V/mmHg  
**Unit display:** KPa or mmHg selectable

## ETCO2 (main/side stream type) (Option) – Plug&Play

**Measurement range:** 0 – 150 mmHg 0 – 19.7% 0 – 20kpa  
**(Barometric pressure supplied by Host)**  
**Accuracy:** 0- 40 mmHg ±2mmHg  
41-70 mmHg ±5% of reading  
71-100mmHg ±8% of reading  
101-150mmHg ±10% of reading  
Above 80 breath per minute ±12% of reading

**\*NOTE:** Gas temperature at 25 °C

**Response time:** < 3 seconds – includes transport time and rise time  
**Gas monitoring ( optional)**

## Cardiac Output ( optional )

**Measuring Meathod:** thermodilution  
**Blood heat measurement & alarm range:** 23 °C ~ 43°C  
**Accuracy:** ±0.2 °C  
**Injection temperature measurement range:** 0 °C- 27 °C  
**Accuracy:** ±0.2 °C  
**Resolution:** 0.1°C  
**CO measurement range:** 0.1L/min ~ 20.0 L/min  
**Accuracy:** ±0.2 L/min or ±5%

## Power requirements

**Input:** 98~260 V AC, 50/60Hz

**Standard configuration:** ECG, HR, PR, SpO2, OxyCRG diagram, ST analysis, Arrhythmic analysis, RESP\*2 (RA-LL impedance and nasal cavity), NIBP (with venous punch), TEMP\*2(surface and rectal type), Drug dose calculation and remote control.



## Physical Character

- Display : 12" color TFT LCD screen with maximum 6-waveform display.
- Battery: Rechargeable high-energy built-in battery
- Advanced streamline outline design, portable, compact, lightweight
- Operating menu with multi-language interface selection: English, Spanish, Portuguese, Chinese, Arabic, Russian, Italian, etc.
- Easy operation with user friendly menu structure design and rotary dial
- Against & eliminate ESU interference & defibrillation, no need to disconnect the monitor from the patient in process of defibrillating.
- Three-application mode: monitoring, diagnosis, operating.
- WAN communication function to network with central monitoring system and make long-distance monitoring, diagnosis, maintenance and software upgrade possible Optional built-in wireless networking function
- 72 hours data storage.
- Intelligent audio and visual comprehensive alarm
- In-hospital applications include emergency room's pre and post operative care, ICU, Operation
- room/theater, ambulatory surgery, intermediate care/step down units, labor and delivery, and hospital-based special procedure areas.
- Suitable for use in physicians' offices, clinics, outpatient surgical centers, extended care facilities and other patient care areas, which of require affordable monitoring
- Suitable for adult, pediatrics, neonates

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\*Please note: Product specifications are subject to change without prior notice owing to product modifications, improvements / up-gradation.