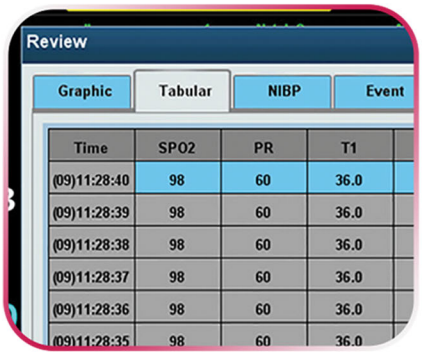
Taurus

Multi-parameter Patient Monitor

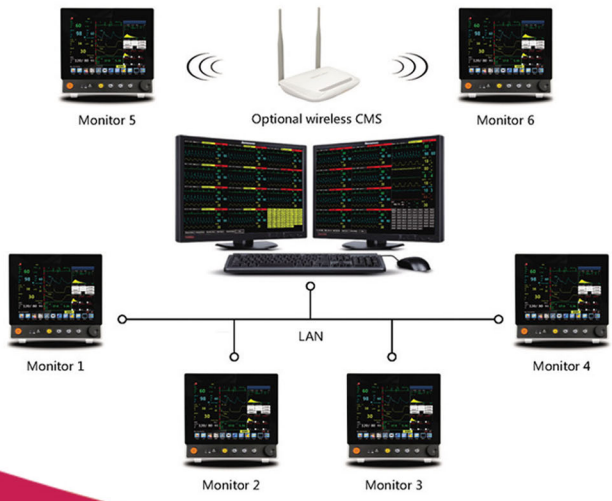
12.1" color TFT touch screen,wide and flat screen design, Multiple parameter options satisfy the need for ICU,CCU,NICU.

Configuration	Optional
ECG+SpO2+NIBP+2TEMP+PR+RESP, Li-ion battery	Masimo/Nellcor SpO2, EtCO2, C.O, 2-IBP, AG, BIS,NMT, Thermal recorder

Graphical & Tabular Trend



CMS
(Up to 64 beds)




BIS


NMT

Masimo SpO2

Masimo Multigas/EtCO2

Taurus

Multi-parameter Patient Monitor

Various mounting solutions

- 12.1″ color TFT LCD Touch screen
- 8 waveform display,up to 12-lead ECG analysis
- Powerful calculation(Hemodynamic,Dose,Oxygenation,Ventilation)
- Pacemaker detection
- ST & arrhythmia analysis
- OxyCRGs
- BIS module, NMTmodule optional
- Wired/Wireless CMS, support HL7 protocol to HIS
- SpO2 pulse-tone modulation (Pitch Tone)
- MEWS(Modified Early Warning Score)
- Graphical & tabular trend review(120 hours)
- 48h full disclosure wave review for each patient

Specifications

Physical Specification

Display
12.1″ TFT Touch screen
Resolution: 800 x 600 (1024 x 768 optional)
Number of traces: 8, up to 12 ECG waveforms
Dimension: 310×292×174mm(W×H×D)
Weight: < 5 kg under standard configuration
LAN: 1 standard RJ45 port
WLAN:IEEE 802.11b/g/n
USB: 2 USB connectors
HDMI: 1 HDMI monitor connnector
Output:1 connector for Nurse call,Defib Sync Analog Output

ECG

Lead type :3-lead,5-lead,12-lead(optional)
ECG waveform:2 channels,7 channels, 12 channels
Display sensitivity:
2.5mm/mV (×0.25), 5mm/mV (×0.5), 10mm/mV (×1.0), 20mm/mV (×2.0)
Wave sweep speed:
3.125mm/s, 6.25mm/s, 12.5 mm/s, 25 mm/s, 50 mm/s
Bandwidth
Diagnostic mode: 0.05Hz~100Hz
Monitor mode: 0.5Hz~40Hz
Surgery mode: 1Hz~20Hz
Strong filter mode: 5Hz~20Hz
CMRR>100dB
Notch: 50/60Hz notch filter can be set to on or off
Differential input impedance>5MΩ
Electrode polarization voltage range: ±400mV
HR range: 15 - 350 bpm
ST Measurement Range: -1.0 - +10 mv
Baseline recovery time<3s after defibrillation (in monitor and surgery mode)
Calibration signal:1mV (peak - peak), accuracy ±3%

TEMP

Accuracy: ±0.1℃ or ±0.2°F (without probe)
Measurement range: 0~50℃
Channel: Two channels
Resolution: 0.1℃
Parameters: T1,T2 and TD

RESP

Measurement method : Thoracic electrical bioimpedance
Operation modes: Auto/Manual
Measuring lead: Lead I, II
Measurement range: Adult:0~120 bmp;
Neonate/Pediatric:0~150bpm
Resolution: 1 bpm
Apnea alarm delay:10s,15s,20s,25s,30s,35s,40s
Apnea alarm: Selectable
Wave gain: ×0.25, ×0.5, ×1, ×2
Respiratory impedance range: 0.5-5Ω
Baseline impedance: 500-4000Ω
Gain: 10 grades
Scan speed: 3.125mm/s, 6.25mm/s, 12.5 mm/s, 25mm/s

Pulse Rate

Range: 30~300 bpm
Resolution: 1bpm
Accuracy: ±3bpm (non-motion)
±5bpm (motion)
Refreshing rate: 1s

NIBP

Measurement method : Automatic oscillometric method
Operating mode:Manual, automatic, continuous
Measurement unit: mmHg/kPa selectable
Typical measurement time: 20~40s
Measurement type: Systolic, Diastolic,Mean
Measurement range (mmHg)

Range of Systolic pressure:	Adult	40-280
	Pediatric	40-200
	Neonatal	40-135
Range of Diastolic pressure:	Adult	10-210
	Pediatric	10-150
	Neonatal	10-95
Range of Mean pressure:	Adult	20-230
	Pediatric	20-165
	Neonatal	20-105

Measurement accuracy
Maximum average error: ±5mmHg
Maximum standard deviation: 8mmHg
Resolution: 1mmHg
Interval:1,2,3,4,5,10,15,30,60,90,120,180,240,480minutes
Overpressure protection: Software and hardware, double safety protection
Cuff pressure range: 0-300mmHg

SpO2 (Northern)

Measurement range : 0-100%
Parameter monitoring: Perfusion Index(PI)
Pleth Variability Index(PVI)
Resolution: 1%
Accuracy: ±2% or ±2bpm
Refreshing Rate: 1s
Pleth wave speed: 3.125mm/s, 6.25mm/s, 12.5 mm/s, 25mm/s

Masimo SpO2 (optional)

Measurement range : 0-100%
Resolution: 1%
Accuracy: ±2% (70-100%, Adult/Pediatric,non-motion,low perfusion);
±3% (70-100%, Neonate,non-motion);
±3% (70-100%, motion);
0-69%,unspecified
Refreshing Rate: 1s

C.O.(optional)

Method: Thermodilution
Range: C.O.: 0.2 to 20 L/min
TB: 23 to 45 ℃
T1: -1 to 27℃
Accuracy:C.O.:±5% or ±0.1L/min, whichever is greater
TB,T1: ±0.5℃ (without sensor)

IBP(optional)

Channel:2-channel or 4-channel
ART: 0 to 300 mmHg
PA: -6 to 120 mmHg
CVP/RAP/LAP/ICP : -10 to 40 mmHg
Measurement range: P1/P2 -50 to 300 mmHg
Resolution:1mmHg
Accuracy:
±2% or ±1mmHg, whichever is greater(without sensor)
Sensitivity: 5uV/mmHg/V
Impedance range: 300 to 3000Ω

Masimo ISA™ Sidestream CO2 (optional)

Warm-up time: Full accuracy within 10 seconds
Sampling flow rate: 50ml/min(+/-10/min)
Accuracy: 0~15% (±0.2% of the reading)
15~25%, unspecified
Measurement Range: 0 -25%
Rise time: 200ms,typical at 50ml/min flow rate
Total response time:
within 3 seconds(with 2m Momoline sampling line)
AWRR Range: 0~150bpm

Masimo IRMA™ Mainstream CO2 (optional)

Measurement Range: 0 -25%
Warm-up time: Full accuracy within 10 seconds
Accuracy: 0~15% (±0.2% of the reading)
15~25%, unspecified
AWRR Range: 0-150bpm

Masimo Multi-gas ISA OR+/IRMA AX+ CO2 (optional)

Gas:CO2,N2O,HAL,ISO,ENF,SEV,DES with automatic identification
Warm-up time: Full accuracy within 20 seconds for IRMA AX+
CO2 Accuracy: 0-10%:±(0.2%+2% of the reading)
0-15%:±(0.3%+2% of the reading)
N2O Accuracy:0-100%:±(2%+2% of the reading)
HAL,ISO,ENF:0-8%:±(0.15%+5% of the reading)
SEV:0-10%:±(0.15%+5% of the reading)
DES:0-22%:±(0.15%+5% of the reading)
Agent identification time: < 20s(typical < 10s)
AWRR range:0-150bpm
AWRR accuracy:+/-1bpm
Apnea time:20-60s

Recorder(optional)

Built-in,Thermal dot array
Horizontal resolution :16 dots/mm (25 mm/s paper speed)
Vertical resolution:8 dots/mm
Paper speed: 12.5mm/s, 25 mm/s, 50 mm/s
Number of waveform channels: 3

Operation Environment

Power:	AC 100-250V, 50/60Hz
Temperature:	5-40℃
Humidity:	< 80%
Patient Range:	Adult, Pediatric, Neonate

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