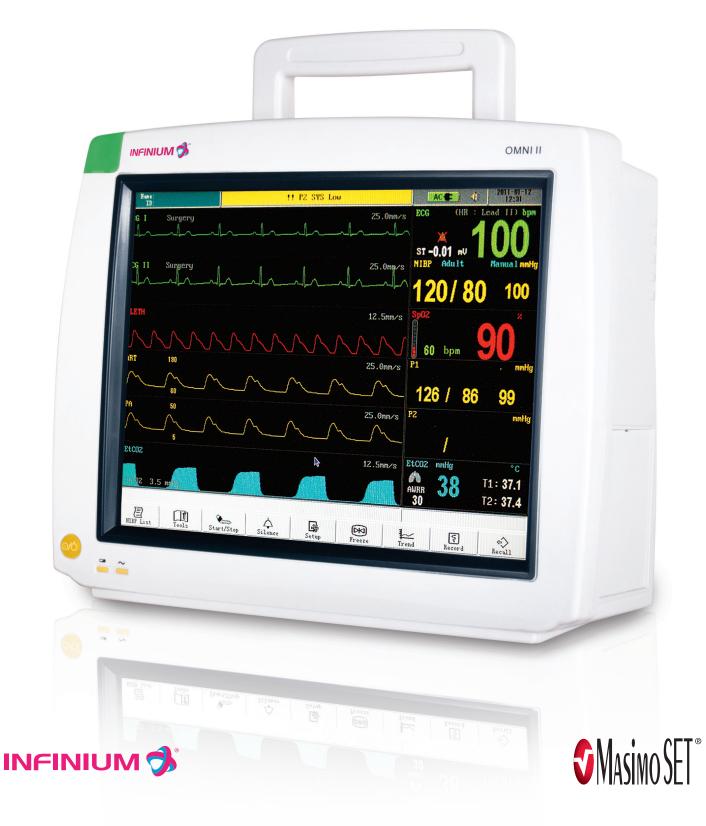
OMNI II

TOUCH SCREEN PATIENT MONITOR



OMNI II



Intuitive

Designed for a fast paced work environment, the Infinium **Omni II™** patient monitor offers an extremely simple and adaptable user interface. Patient information along with vital sign settings can be quickly modified to meet the needs of a patient's changing condition. The **Omni II** offers a high resolution 12.1 inch touch screen to optimize the speed of patient care. The user can therefore make quick screen adjustments, set default settings, alarm limits, and manage up to 72 hours of detailed patient data.

Upgradable

From the general floor to high acuity surgeries, the Infinium Omni II series patient monitors are designed to fit-in and move amongst many patient care areas. The **Omni II**[™] offers standard measurements of: non-invasive blood pressure, ECG with arrhythmia detection, Masimo SET[®] SpO2, Temperature, and Respiration rate. Masimo SET[®] (Signal Extraction Technology[®]) SpO2 provides industry standard Measure-through Motion and Low Perfusion[™] Pulse Oximetry to Infinium patient monitors. End-tidal CO₂, Anesthetic Agent measurement, Cardiac Output and Invasive blood pressure can added on-site by simply attaching our plug in modules. This field upgradability can allow the user to customize the monitor's acuity level while the patient's condition changes. If desired, the user can move from a basic vital signs monitor, to a continuous bed side monitor, to an operating room monitor while keeping the patient on a single monitor at all times.

Connective

The **Omni II**[™] offers several connective solutions to network multiple monitors and/or manage patient data on an electronic medical records platform or a HL7 based hospital information system. The **Omni II** patient monitor offers Ethernet and RS-232 connections with an open source communication protocol. Infinium offers 2 levels of networking and connectivity. The **Omni II** is HL7 compliant. The HL7 network protocol will allow for all patient information and vital sign trends to be transferred and stored on a hospital information system. For non-HL7 medical facilities, there is the Infinium **Omniview**[™] central station which allows the real time remote monitoring and network of up to 32 **Omni** patient monitors. The Omniview[™] archives full disclosure of all patient vital sign trends. The patient data from the **Omniview**[™] can be very simply saved, stored, printed, and, transferred.

A Field Upgradable Operating Room Solution A MONITOR THAT CAN GROW WITH YOU...

Whether it be a basic outpatient procedure or a high acuity cardiac surgery the **Omni II**™ can be upgraded and custom tailored on-site by the user. The **Omni II** is preconfigured with non-invasive blood pressure, 3/5 ECG with arrhythmia detection, impedance respiration, SpO₂, and temperature. More advanced readings of End-tidal CO₂, Anesthetic agent measurement, and Cardiac Output Invasive blood pressure can be activated by the user at anytime.

Capnography & Anesthetic Agent Measurement plug in Module:

The Infinium **Entide**[™] module is a field upgradable plug in module that can measure End-tidal CO₂ alone or End-tidal CO₂ with the automatic identification of anesthetic agents (N₂O, O₂, Sevoflurane, Isoflurane, Desflurane, Halothane, Enflurane)

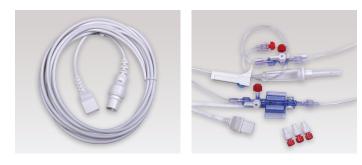
Both mainstream and sidestream modules are available for Endtidal CO₂ and agent measurement.

The **Entide**[™] utilizes a low flow (50ml/min) sidestream method that allows use for intubated and non-intubated applications. The **Entide**[™] sample line connection incorporates filter cells to eliminate the potential of cross contamination.



Simple connection sample lines allows the **Entide™** to be one of the Industry's lowest cost per patient End-tidal CO₂ and anesthesia measurement systems.

Cardiac Output & Invasive Blood Pressure:



2 channels of invasive blood pressure and the facility for thermodilution cardiac output are standard on the **Omni II**™.

ECG:



The **Omni II**[™] offers a 3, 5, and 12 lead ECG platform. Arrhythmia detection and ST are also standard and measurable on all lead sets.

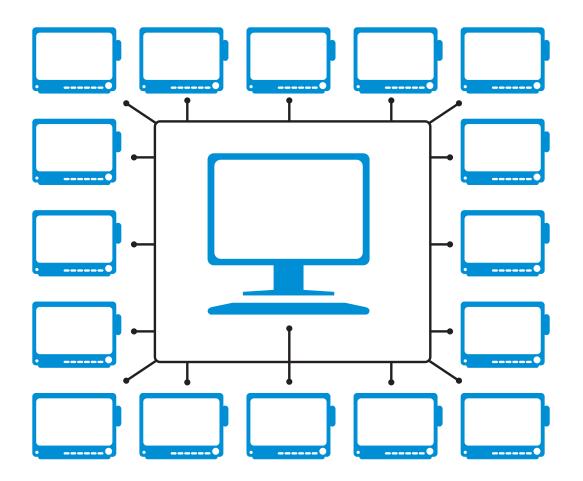
3-Lead: I, II, III

- 5-Lead: I, II, III, aVR, aVL, aVF, V
- 12-Lead: I, II, III, aVR, aVL, aVF, V1~V6 (factory installed)



OMNIVIEW Central Station

SIMPLICITY IN CONNECTIVITY:



The **Omniview**[™] central station allows the wireless or hard-wired measurement for a network of up to 32 **Omni** patient monitors. The **Omniview**[™] archives full disclosure of all patient information and vital sign trends. In real time the **Omniview**[™] displays the patient's numeric vital signs along with waveforms. The patient data from the **Omniview**[™] can transferred to a EMR as a supplement to the patient's file or integrated into a hospital information system.

The **Omniview™** gives a real time display of all patient vital signs: Heart rate, Last BP reading, SpO₂, Temp, EtCO₂ and Respiration rate with waveforms.

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Mounting Solutions A RELIABLE CONNECTION



Several mounting systems are available for the Omni series patient monitors.

ROLLING STAND

Height and tilt adjustable with a large wheel base allows for smooth and stable mobility.

Medical grade steel construction



WALL MOUNTS

Height and tilt adjustable wall mounts offer.

- Medical grade construction
- Adaptable to anesthesia machines
- Adaptable to most wall rail systems



OMNIVIEW CENTRAL MONITORING SYSTEM SPECIFICATIONS:

Printer

External Laser Printer

MAIN FRAME Power Supply AC100-240V 6A/3A **Basic Configuration** 20" or larger color display Intel Pentium IV2.0G CPU Windows XP professional operating system 512MB RAM 80GB Fixed Disk drive PERFORMANCE Display color TFT display 20" or larger Size: Number of display: 1 or 2 sets (optional) Resolution: 1280 x 1024 Waveform ECG (I, II, III, aVR, aVL, aVF, V1-V6)

PLETH, RESP, CO2, IBP, Multi-gas

Parameter HR, ST, NIBP, IBP, SpO2, PR, RR, TEMP, EtCO2, Multi-gas Indicator Up to 32-waveform presentation 12.5mm/s, 25.0mm/s, 50.0mm/s user-adjustable sweep speed Alarm sound Alarm High and Low limits alarm Audiable and visual alarm **Record Type** 8 seconds real-time recording Freeze waveform recording Trend data recording Alarm strip recording

View

Up 64 waveforms for up to 32 bedside monitors (8 monitors per screen) All waveform presentation for single patient 48 hours of trend display for all parameters Multi-leads ECG waveform display Waveform freeze Wireless Networking Industry standard 802.11b/g WLAN Connected bedside number: up to 16 bedside monitors 240 hours trend review for each bedside monitor 720 items parameters alarm review for each bedside monitor 720 NIBP measurements review 72 hours of 32 channels full-disclosure waveforms store and review **Connection methods** Wireless via transmitter Hardwired via ethernet Hardwired via RS-232

OMNI II TECHNICAL SPECIFICATIONS:

Application Veonatal, pediatric and adult	t patients	TEMP Range:	25 ~ 50 (°C)	Initialization Time:	30 seconds (typical), reaches ±5% steady-state accuracy within
Peformance Specificati		Accuracy:	± 0.2°C (25.0 ~ 34.9°C)		3 minutes.
	12.1 inch color touch screen	Abouraby.	$\pm 0.1^{\circ}C$ (35.0 ~ 39.9°C)	Respiration Rate:	0 ~ 150 breaths/min
Trace:	8 waveforms		$\pm 0.2^{\circ}$ C (40.0 ~ 44.9°C)	Mode:	adult. neonate
Indicator:	Alarm indicator		$\pm 0.3^{\circ}$ C (45.0 ~ 50.0°C)	Measurement Method	Thermodilution Method
inuicator.	Power indicator	Display Decelution	± 0.3 C (45.0 ~ 50.0 C) 0.1°C	Measurement Range	C.O. 0.1 to 20 L/min
		Display Resolution:		weasurement hange	TB 23 to 43
	QRS beep and alarm sound	Alarm Limit Setting:	upper limit 0 ~ 50°C,		
Trend time:	1 - 72 hour		lower limit 0 ~ 50°C	Develotion	TI 0 to 27
Recorder:	Built-in, thermal array, 3 channels	Channel:	2 channels	Resolution	C.O. 0.1 L/min
	Record width: 48mm	Masimo SET Pulse Oxin	netry (standard)		TB, TI 0.1
	Recorder paper: 50mm	Sp02		Accuracy	C.0. $\pm 5\%$ or ± 0.1 L/min, which
	Record speed: 25mm/s, 50mm/s	Measurement range:	0% to 100%		ever is greater, as measured using
CG		Resolution:	1%		electronically generated flow curve
Input:	5-lead ECG cable and standard AAMI	Accuracy:			TB, TI ±0.1 (without sensor)
	line for connection	Accuracy:	70% to 100%, +/-2%, Adult/	Alarm Range	TB 23 to 43
Lead Choice:	I, II, III, aVR, aVF, aVL, V, V1-V6, TEST	-	Pediatric, Non-motion conditions	Repeatability	C.O. ±2% or ±0.1 L/min, which
Gain Choice :	x0.5, x1, x2, x4		70% to 100%, +/-3%, Neonate, Non-		ever is greater, as measured using
Frequency Characteristic:	0.05 ~ 35 HZ (+3dB)		motion conditions		electronically generated flow curve
ECG Waveforms:	7 channels		70% to 100%, +/-3%, Adult/	Anesthetic Agents	·····, j
Penetration Voltage:	4000VAC 50/60Hz		Pediatric/Infant/Neonate, Motion	Method:	Infrared absorption
Sweep Speed:	12.5, 25, 50 and 100 mm/sec		conditions	Gas Sorts:	Halothane, Isoflurane, Enflurane,
Sweep Speeu.	(left to right or right to left)		70% to 100%, +/-2%, Adult/	dus 00113.	Sevoflurane, Desflurane, CO ₂ , N ₂ O
UD Disalau Danas					02 (optional Automatic Agent ID)
HR Display Range:	30 ~ 300bpm		Pediatric/Infant/Neonate, Low	Management Danga	02 (optional Automatic Agent ID)
Accuracy:	\pm 1bpm or \pm 1%, whichever is greater		perfusion conditions	Measurement Range:	0 0.5%
larm Limit Range Setting:	upper limit 100 ~ 200bpm,	Averaging time:	2~4 sec, 4~6 sec, 8 sec, 10 sec, 12	Halothane, Isoflurane:	0 ~ 8.5%
	lower limit 30 ~ 100bpm		sec, 14 sec, 16 sec (user selectable)	Enflurane, Sevoflurane:	0 ~ 10%
RESP		Sensitivity settings:	Normal, Maximum, APOD (user	Desflurane:	
Measure Method:	RA-LL impedance		selectable)		0 ~ 10%
Range:	0 ~ 120 rpm	Pulse Rate			0 ~ 100%
Accuracy:	±3 rpm	Measurement range:	25 to 240 bpm	02:	0 ~ 100%
Alarm Limit Setting:	upper limit 6 ~ 120 rpm,	Accuracy:	+/-3 bpm, Adult/Pediatric/Infant/	Bias:	
0	lower limit 3 ~ 120 rpm		Neonate, Non-motion conditions	Halothane, Isoflurane, Enflu	rane,
Sweep Speed:	12.5, 25, 50 and 100 mm/sec		5 bpm, Adult/Pediatric/Infant/	Sevoflurane, Desflurane:	±(0.15 Vol% + 15% rel.)
errock obcoar	(left to right or right to left)		Neonate, motion conditions	C02:	±(0.5 Vol% + 12% rel.)
VIBP	(lott to right of right to lott)	Resolution:	1 bpm	N20:	\pm (2 Vol% + 8% rel.)
Measuring Technology:	automatic oscillating measurement	Perfusion Index (PI)	горш	02:	±3 Vol%
Cuff Inflating:	<30s (0 ~ 300 mmHg, standard	Measurement range:	0.02 - 20%	Networking	10 101/0
Gun innaung.				Industry standard 802.11b/g	wireless network
Marca Desired	adult cuff)	Any other Sp02 (option	lal)	Power	J WITCHESS HELWOIK
Measuring Period:	AVE<40s	100			
Mode:	Manual, Auto	IBP			External AC power or internal battery
Measuring Interval in		Measurement Range:	-50 ~ 300mmHg		00 ~ 240VAC, 50/60Hz, 150VA
AUTO Mode:	2 min ~ 4 hrs	Channel:	2 channels		Built-in & rechargeable lithium ion
Pulse Rate Range:	30 ~ 250 (bpm)	Pressure Transducer:	sensitivity, 5µV/V/mmHg	Operating Time: 3	
Measuring Range:		Impedance Range:	300 ~ 3000 Ω	Environmental Specific	cations
Adult/Pediatric Mode:	SYS: 40 ~ 250 (mmHg)	Transducer Sites:	Art, Pa,CVP, RAP, LAP, ICP	Temperature:	
	DIA :15 ~ 200 (mmHg)	Unit:	mmHg/kPa selectable	Operating: 5	
Neonatal Mode:	SYS: 40 ~ 135 (mmHg)	Resolution:	1mmHg	Storage: -	10 ~ 45 °C
	DIA : 15 ~ 100 (mmHg)	Accurancy:	± 1 mmHg or $\pm 2\%$,	Humidity range:	
Accuracy:		. issuranoji	whichever is greater	Operating: ≤	s80 %
	an error: ±5mmHg	AlarmRange:	-10 ~ 300mmHg	Storage: ≤	
Maximum Standard		EtCO2	io - ooonning	Other Standard Feature	
Resolution:	1mmHg	CO ₂ Measurement Range:	0 ~ 99mmHg	OxyCRG, drug dose calculati	
				On screen NIPB trends (up to	
Overpressure Protection:	Adult Mode: 300 (mmHg)	Accuracy:	± 2 mmHg (0 ~ 38mmHg)		
	Neonatal Mode: 160 (mmHg)		39-99mmHg ±5% of reading +0.08%	user set defaults, Arrhythmi	a uetection, 51 segment
Alarm Limit Setting:	SYS: 50 ~ 240 mmHg		for every 1mmHg (above 38mmHg)		
Alarm Linnt Setting.	DIA: 15 ~ 180 mmHg	Sampling Rate:	50 ml/min		



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