

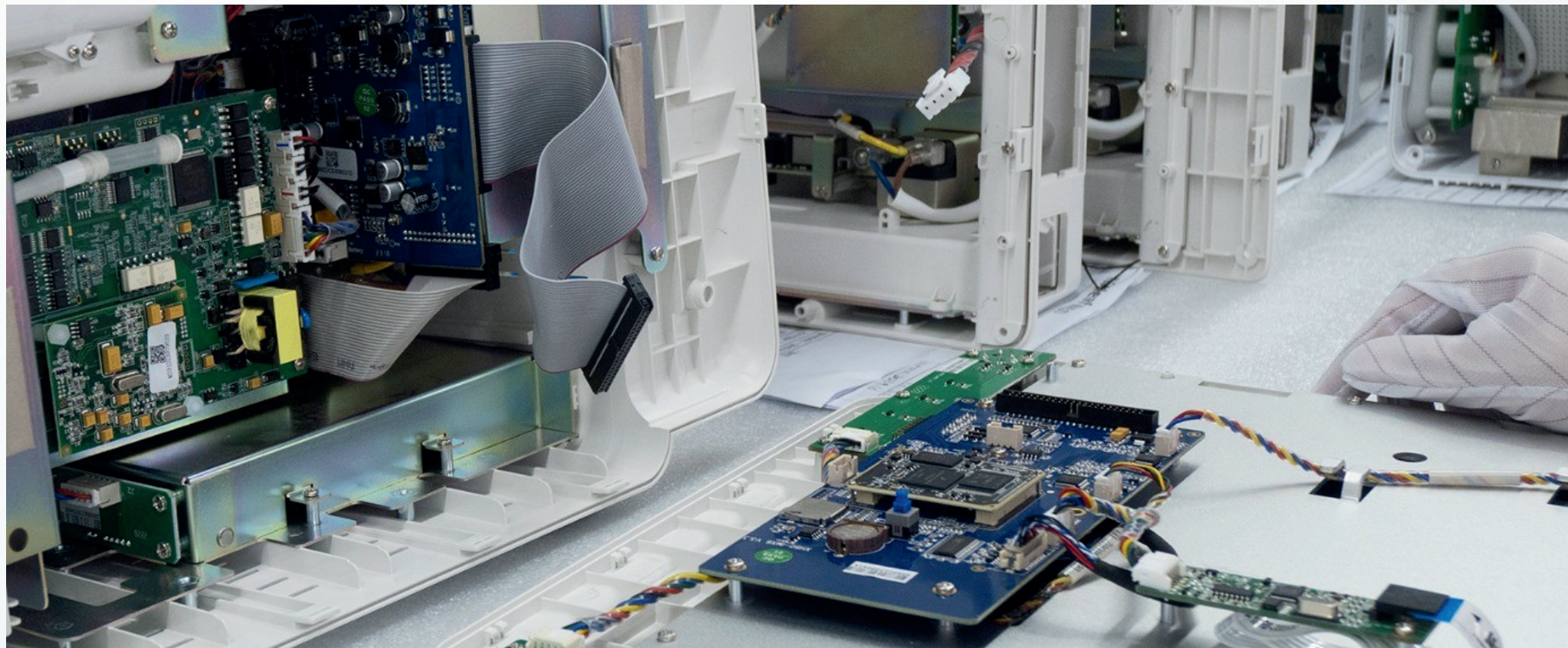


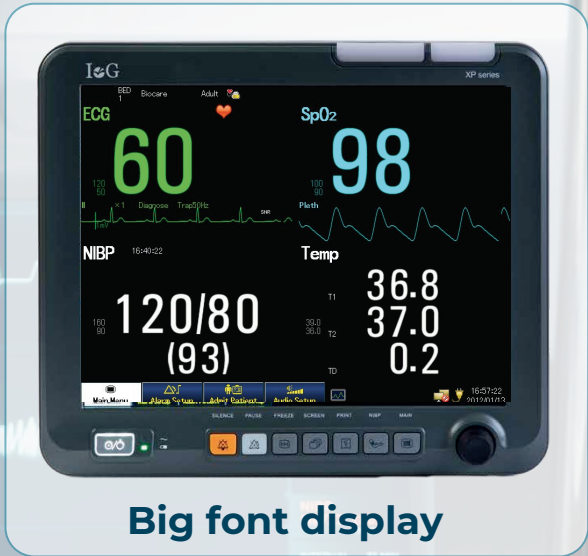
IG Patient Monitor XP Series Compact

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Engineering & Manufacturing Excellence

- The XP Series Compact Patient Monitor is developed through a rigorous R&D-driven engineering process, combining modular hardware architecture with carefully validated electronic design.
- Each unit is manufactured using high-quality industrial components, precision PCB assembly, and controlled production processes to ensure long-term stability, accuracy, and reliability in demanding clinical environments.
- The system architecture is designed for scalability and serviceability, allowing efficient configuration, testing, and future upgrades. Comprehensive functional testing and quality controls are applied throughout manufacturing to ensure consistent performance across intensive care, emergency, perioperative, and step-down care settings.





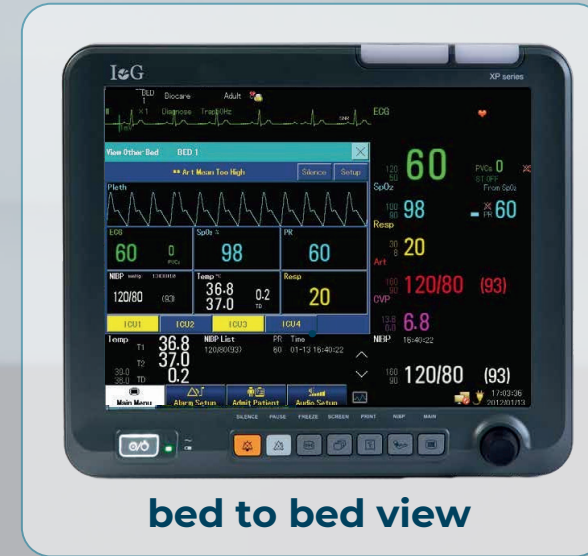
Big font display



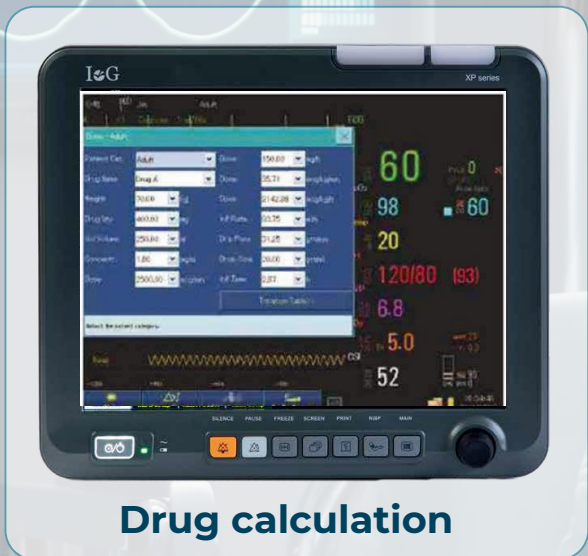
OxyCRG interface



Mini-trend interface



bed to bed view



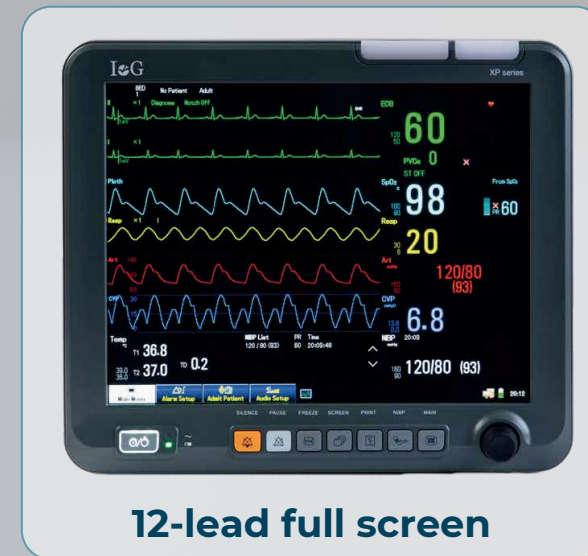
Drug calculation



7-lead full screen



7-lead half screen

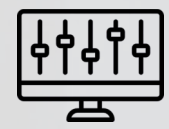


12-lead full screen

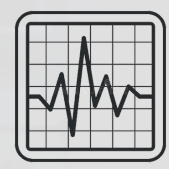
Product Features



High-Resolution Display
12" / 15" TFT color touchscreen with automatic layout adaptation



Multi-Parameter Monitoring
Up to 13 parameters for adult, pediatric, and neonatal patients



Advanced ECG Analysis
12-lead ECG with ST-segment monitoring and arrhythmia detection



Data Storage & Review
Internal memory for long-term trends, waveforms, and alarm events



Mobility & Power
Integrated rechargeable batteries for transport and mobile use

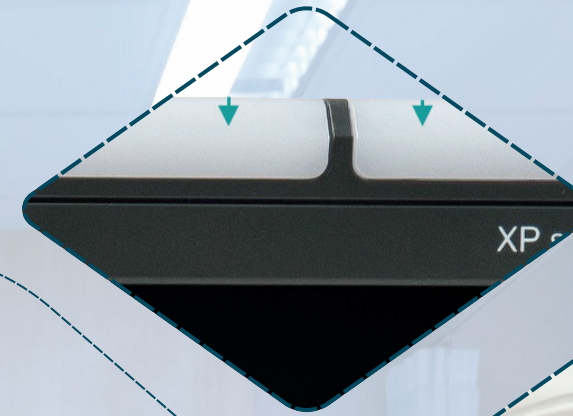


Patient Safety & Alarms
Configurable audible and visual alarms with nurse call support

TOUCH SCREEN



DUAL ALARM LIGHTS



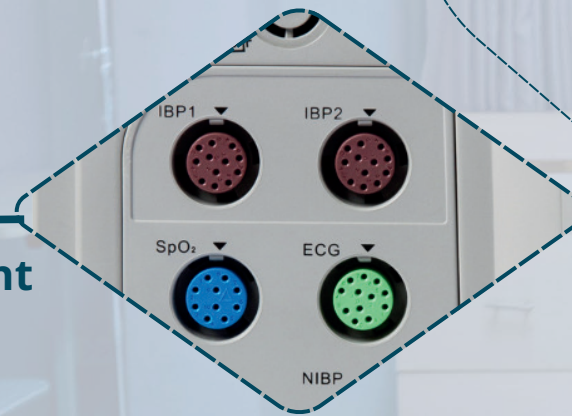
STABLE HANDLE



The nurse call function with audible and visual alarm ensures the patient's safety if health status reaches a critical level



Superior & intelligent coded socket



Dual Li-ion Battery, up to 10 hours continuous working



Durable silicon button with backlight



Abundant extension interface



DATA STORAGE

Parameter	Specification
Trend data types	Short trend / Long trend
Short trend time windows	4 min, 40 min, 2 h
Short trend resolution	5 s, 30 s, 1 min, 10 min
Short trend max storage	72 h
Long trend time windows	2 h, 16 h, 32 h, 48 h
Long trend resolution	15 min, 30 min, 1 h, 2 h, 3 h
Long trend max storage	480 h
Parameter alarm events	Up to 700 events
Manual alarm events	Supported
NIBP measuring results	Max. 1000 groups
Stored ECG waveforms	Max. 2 h



1. Event bar
2. Timer bar
3. Graphic Trends zone
4. Trend data zone
5. Cursor
6. Tool operating bar

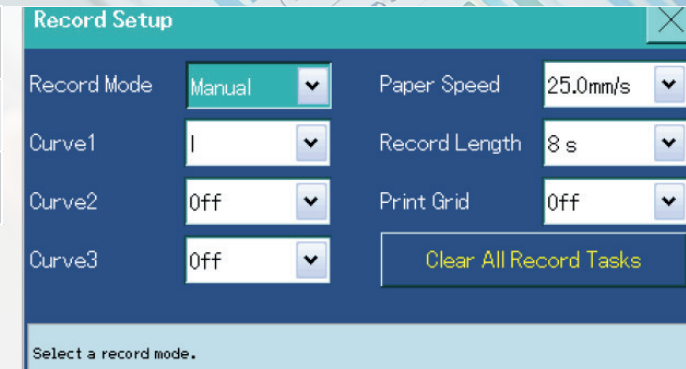
DISPLAY

Parameter	Specification
Display type	Brilliant TFT Display
Screen size	12" / 15"
Screen brightness	10 levels, adjustable
LCD viewing angle	Horizontal
Number of traces	Up to 13 waveforms



RECORDER

Parameter	Specification
Recorder type	Thermal array recorder
Recorded waveforms	Maximum 3 waveforms



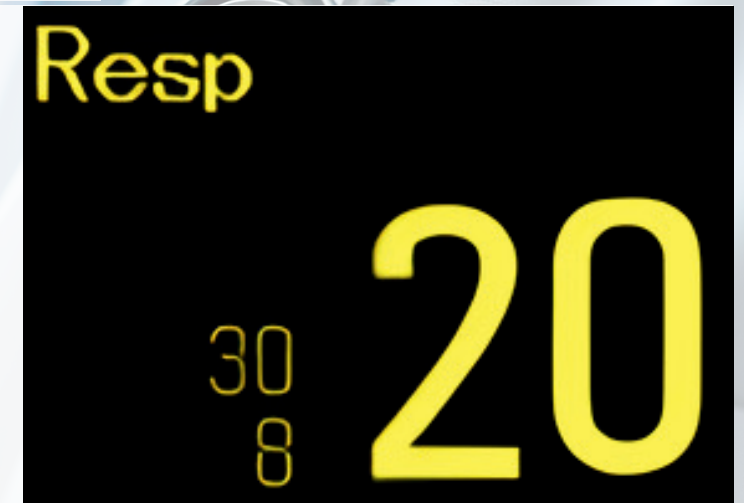
SPO2 MONITORING

Parameter	Specification
Measurement range	0 % to 100 %
Resolution	1 %
Data update period	1 s
Pulse rate range	25 bpm to 250 bpm
Pulse rate	1 bpm
Averaging time	Average of the most

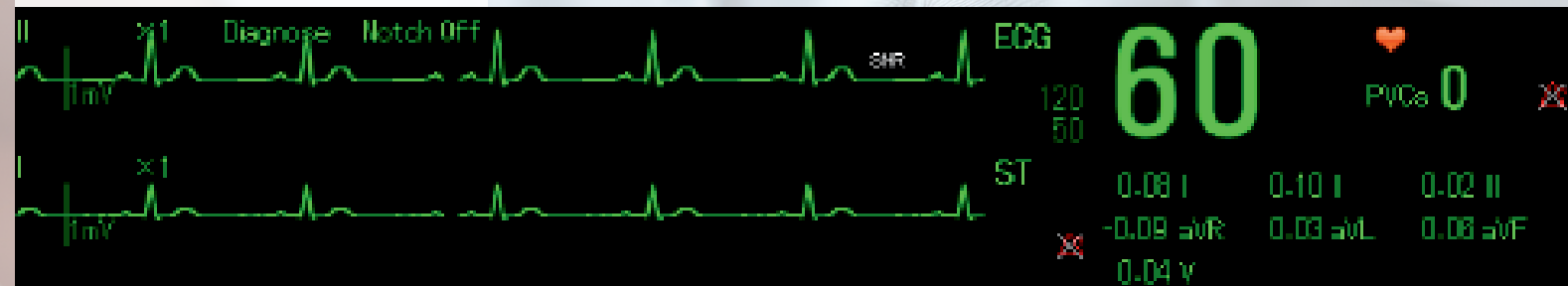


RESPIRATION (RESP) MONITORING

Parameter	Specification
Measuring method	Trans-thoracic
Measuring lead	Lead I and Lead II
Waveform sensitivity	×1/4, ×1/2, ×1, ×2, ×4,
Sweep speed	6.25 mm/s, 12.5
Resolution	1 rpm
Apnea alarm	Off, 10 s, 15 s, 20 s, 25



ECG MONITORING



Parameter	Specification
Input mode	3-lead (optional), 5-lead (standard), 12-lead (optional)
Lead selection	I, II, III (optional); I, II, III, aVR, aVL, aVF; V1-V6 (optional)
Heart rate range	Adult: 15-300 bpm Pediatric / Neonatal: 15-350 bpm
Resolution	1 bpm
Alarm limit	0-100 rpm

ECG TEST & DETECTION

Parameter	Specification
Lead fault testing current	< 0.1 A
Measuring electrode current	< 1 A
Driven electrode current	< 1 A
Alarm limits	Adult: 15-300 bpm Pediatric & Neonatal: 15-350 bpm
Heart rate accuracy	±1 bpm
Arrhythmia detection	More than 20 types
ST interval range	-2.0 mV to +2.0 mV
ST interval update	Single heartbeat or 1 s (whichever is greater)

ECG FILTER SETTINGS

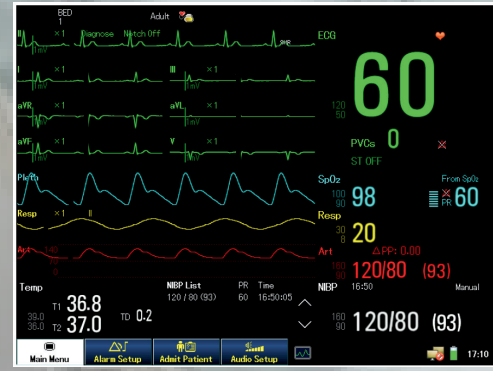
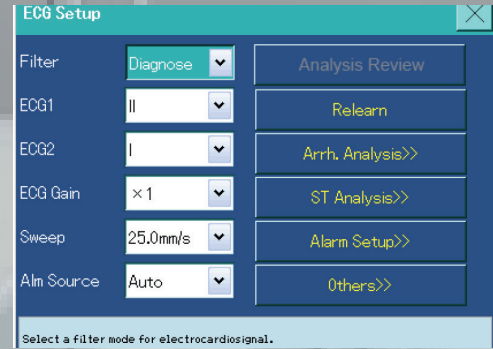
Mode	Filter Range
Monitor mode	0.5 Hz - 25 Hz
Surgery mode	1 Hz - 15 Hz
Diagnose mode	0.05 Hz - 25 Hz

ECG PERFORMANCE & SAFETY

Parameter	Specification
Patient leakage current	< 10 µA
CMRR (monitoring mode)	89 dB
CMRR (surgery & monitor mode)	100 dB
Time constant (monitor mode)	0.3 s
Diagnose mode	3.25 s
ESU noise & defibrillation protection	Supported

SUPPORTED PARAMETERS (COMPACT)

Category	Parameters
Standard	ECG, RESP, SpO ₂ , NIBP, TEMP, PR
Optional	IBP, CO ₂ , AG, BIS, CO, Wi-Fi



NIBP MONITORING

Item	Adult	Pediatric	Neonatal
Measurement method	Oscillometric	Oscillometric	Oscillometric
Nominal pressure	40-270 mmHg	40-200 mmHg	20-135 mmHg
Measurement range	20-260 mmHg	20-200 mmHg	20-135 mmHg
Static pressure range	10-300 mmHg	10-250 mmHg	10-140 mmHg
Inflation pressure	80-300 mmHg	60-240 mmHg	60-140 mmHg
Overpressure protection	297 mmHg	240 mmHg	147 mmHg

TEMPERATURE (TEMP) MONITORING

Item	Specification
Channels	2
Measurement range	0 °C to 50 °C
Measuring method	Thermal resistance
Accuracy	±0.1 °C
Update interval	1 s

IBP MONITORING (OPTIONAL)

Item	Specification
Measuring method	Invasive direct pressure measurement
Measurement range	50-350 mmHg
Resolution	1 mmHg
Volume displacement	< 0.4 mm ³ / 100 mmHg
Update interval	1 s

CO₂ MONITORING (OPTIONAL)

Item	Specification
Measuring mode	Sidestream
Sampling rate	50 ml/min (typical)
Measuring method	Infrared radiation absorption

Central station:



Feature

64 Bedside Connections

- Connect up to 64 bedside units with one central monitoring system

Data Storage & Review

- 240 h trend data and 3,000 alarm events per monitor
- Up to 20,000 patient information and 72-hour data for 64 channels

Centralized Control

- Real-time bidirectional control between bedside units and CMS

Flexible Display

- Single- or dual-screen operation
- Up to 32 configurable screen layouts

Waveforms & Parameters

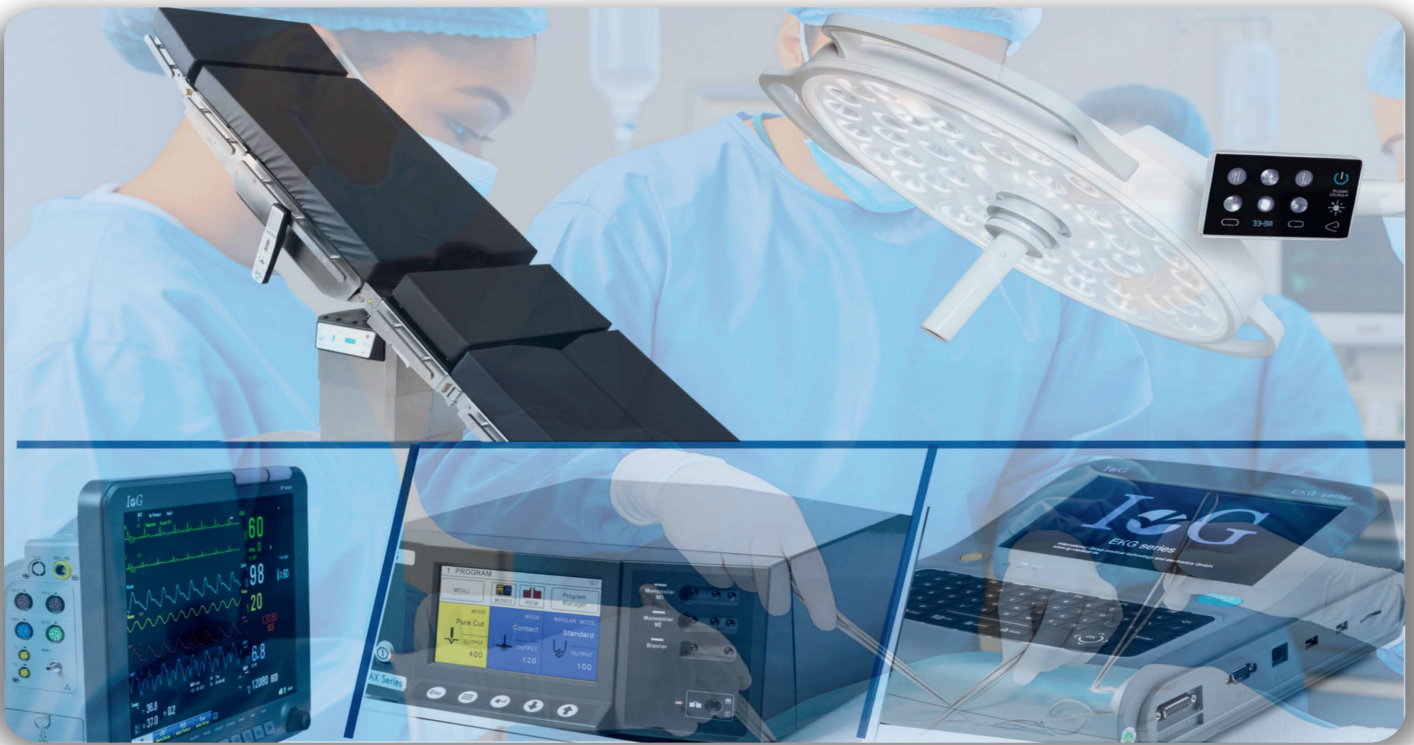
- display: 2-CH ECG, 1-CH RESO, 1-CH PR, 1CH EtCO4 ,2-CH BISxp
- display: ECG, RESP, ST segment, PVCs, SpO2,PR, NIBP, TEMP, EtCO2, and CSI

Alarm Management

- screen character with audible and visual alarm



***Min. Hardware requirements: Dual-core 3GHz or more, 2GB RAM, 1TB hard disk, 100Mbit/s Network, 1GB graphic card, 21" monitor**



IG Medical is a German manufacturer of high-quality medical equipment based in Bremen. From here, we design and manufacture advanced solutions for operating rooms and intensive care units with Hanseatic diligence and technical precision. Our long-standing expertise in medical technology ensures reliable performance and adaptability to the evolving needs of healthcare systems worldwide. Guided by German quality and safety standards, we are ISO 13485-certified, compliant with the EU MDR 2017/745, and all our products carry the CE marking, a testament to the highest levels of quality, safety, and efficiency.

Sectors of our enterprise

Operation Room and ICU Equipment

IG Medical ist ein deutscher Hersteller hochwertiger Medizintechnik mit Sitz in Bremen. Von hier aus entwickeln und fertigen wir mit hanseatischer Sorgfalt und technischer Präzision fortschrittliche Lösungen für Operationsäle und Intensivstationen. Unsere langjährige Erfahrung in der Medizintechnik garantiert zuverlässige Leistung und die Anpassung an die wachsenden Anforderungen des Gesundheitswesens weltweit. Geleitet von deutschen Qualitäts- und Sicherheitsstandards sind wir nach ISO 13485 zertifiziert, konform mit der EU-MDR 2017/745, und alle unsere Produkte tragen die CE- Kennzeichnung – ein Beleg für höchste Qualität, Sicherheit und Effizienz.

Bereiche unseres Unternehmens

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Innovation for the Future