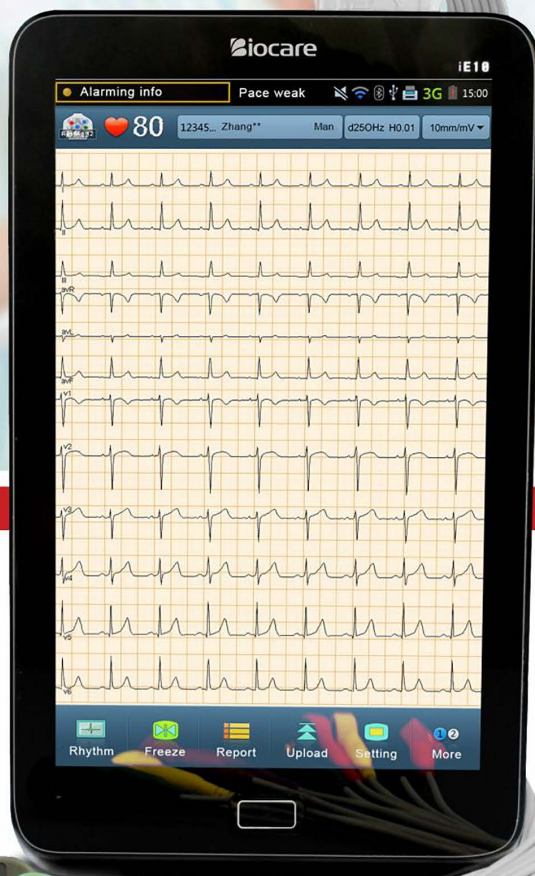




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iE 10

Technical Specifications

Signal processing specification:

ECG interpretation	Biocare CardioPro ECG analysis program for adults and pediatrics
Acquisition mode	Simultaneous standard 12-lead in pre-acquisition or post-acquisition
A/D conversion	24 bit
Sampling rate	1,000 samples/s
Dynamic range	± 9 mV
Frequency response	0.05 Hz ~ 250 Hz
Common mode rejection	>115 dB
Input circuit	Floating circuit input
Input impedance	≥ 50 M Ω
Input CIR current	≤ 0.1 μ A
Patient leakage current	<10 μ A
Time constant	≥ 3.2 s
Noise level	<15 μ V _{p-p}
Sensitivity threshold	≤ 20 μ V _{p-p}
Calibration voltage	1 mV ± 5 %
Sensitivity	Eight levels as (1.25, 2.5, 5, 10, 20, 10/5, 20/10) mm/mV
Filter Setting	EMG filter: 25/35/75/100/150/250Hz
	Baseline wander filter: 0.01/0.02/0.05/0.35/0.5/0.8Hz
AC filter	50Hz, 60Hz
Heart rate range	30~300 bpm
Special acquisition functions	Lead-off detection, lead overflow, AC interference, baseline wander interference, EMG interference

Display and keyboard specifications:

Display type	7 inch LCD with touch screen
Display resolution	1280×800
Display data	Waveforms, heart rate, lead connection, clock, record mode, filters, sensitivity, system prompt, alarming messages, battery, power indicator, SD card label
Waveform display mode	6*2+1R, 12*1

Recorder specifications:

Recorder	Connect to an external Laser printer
Recorder speed	(6.25, 12.5, 25, 50) mm/s

Standard software specifications:

Measurement and interpretation	Supports measurement and interpretation with Biocare CardioPro ECG analysis program for adults and pediatrics
Measurement values	HR, PR interval, QRS duration, QT/QTc interval, P/QRS/T axis, RV5/SV1 voltage, RV5+SV1 voltage
Minnesota code	With newest Minnesota code
Working mode	Automatic mode, Manual mode, Upload mode
DEMO mode	Normal ECG, Arrhythmia ECG
Rhythm analysis	Single rhythm mode: 30-300 seconds Three rhythms mode: 30-100 seconds for each lead
Extended printing in arrhythmia	Supports extended arrhythmia waveform printing in automatic mode

Waveform frozen	Supports 300 seconds of waveform frozen
Pacemaker detection	Weak, Normal, Enhance
Report auto-saved	Selectable auto-saved file
Report preview	Preview the report before printing
File format	JPEG, XML, DICOM, PDF, ECG
Alarming system	Voice and visual alarming for: Lead off, Low battery
Patient information setting	Record No., Name, Gender, D.O.B, Height, Weight, BP, Race, Pacemaker, Medication, Accession No., Ref-physician, Technician, Physician, Room No., User-define
Language	Chinese, English
Local memory capacity	More than 3000 files

Report specifications:

Report type	Simple report, Detail report, MVB report(Media beat report)
Record format	3*4+1R(H), 3*4+3R(H); 6*2+1R(V/H) 12*1(V/H)

External peripheral use:

Patient cable socket	Connect to the patient cable
Micro SD card port	16 GB TF card for data transfer (optional)
USB ports	Unlimited USB flash disk for data transfer; Barcode scanner for patient information input ; Connect to an external printer

Power supply

Power supply	AC/DC
AC/DC power supply	100 V~240 V, 50 Hz /60 Hz, 12W
Battery power supply	Rechargeable lithium battery, 3.7V, 5800 mAh
Battery capacity	Support more than 4.0 hours for continuous operation
Battery charge time	Approximately 4 hours from total discharge

Standard accessories

ECG lead wire	For 12-CH ECG, snap type
Disposable Electrodes	Adult chest electrode, 10pcs/bag
Power adapter	AC Input:100-240 DC output: 5V 2.4A

Dimensions and weight

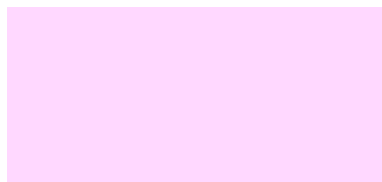
Length × width × height	194 mm×117 mm×25mm
Net Weight	About 0.5 kg

Environment requirements

1	Transportation	
	Environment temperature	-20℃~+55℃
	Relative humidity	≤95% (No condensation)
	Air pressure	70 kPa~106 kPa
	In accordance with the requirements stipulated in the contract order, the transport process to prevent rain and sun.	
2	Storage	
	Environment temperature	-20℃~+55℃

	Relative humidity:	≤95%(No condensation)
	Air pressure	70 kPa~106 kPa
	The packaging of ECG stored in the non-corrosive gases and well-ventilated room.	
3	Using	
	Environment temperature	+0°C~+40 °C
	Relative humidity:	≤82%(No condensation)
	Air pressure	70 kPa~106 kPa

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- Based on the need of product technical improvement or the file updates, we reserve the right to modify the contents contained in this manual; if the change does not involve safety issues, the contents are subject to amend without notification.



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