



Overview

- ◆ Simultaneously 12 leads Acquisition
- ◆ Built-in protection against defibrillator
- ◆ 10.4"HD LED Full Touch Screen with standard grid background
- ◆ Sampling Modes:
Real-time/Pre-sampling/Trigger sampling/ Period sampling
- ◆ Manual/Auto/Rhythm Modes
- ◆ 3x4, 3x4+1R, 3x4+3R, 6x2, 6x2+1R, 6x2+3R and 12x1 display and simultaneously printing.
- ◆ Support Multiple Languages
- ◆ Electrode Disconnection Alarm
- ◆ Automatic measurement & analysis
- ◆ Support PACE detection
- ◆ Max 60 s waveform freezing and review function.
- ◆ 1min – 5 minutes Rhythm Analysis.
- ◆ ZQECG/PDF/PNG/XML/HL7/DICOM-WAVEFORM/DICOM-IMAGE/DICOM-PDF/GDT/XML-12 format report transfer.
- ◆ Support to connect with scanner, USB mouse, USB keyboard, card reader and so on peripheral products.
- ◆ Support WiFi and LAN cable connecting to the third party ECG network system, like: HIS, EMR and PACS system without ECG workstation.
- ◆ Transfer method:
FTP/HTTP/Samba/DICOM etc.
- ◆ Full alphanumeric capability QWERTY keyboard.

Technique Specification

Sampling rate: 32000Hz (pcs)
Pace Sample Rate: 32000Hz
Frequency Response: 0.01 ~ 350Hz

CMRR: $\geq 130\text{dB}$
Patient Leakage Current: $<10\mu\text{A}$
Input Circuit: $<50\mu\text{A}$
RTI, peak-to-valley value: $\leq 15\mu\text{V}$
Sensitivity valve: $20\mu\text{V}$
DC bias voltage range: $\pm 950\text{mV}$
Calibration Voltage: 1mV
A/D shift: 24 bit
Input Impedance: $\geq 60\text{M}\Omega(10\text{Hz})$
Sensitivity: 2.5, 5, 10, 20, 40, Auto mm/mV
Paper Speed: 5, 6.25, 10, 12.5, 25, 50mm/s
Recording Mode: Thermal array printer
8 dot/ mm (Vertical)
40 dot/ mm (Horizontal, 25mm/s)
Paper Type: Z-Fold Paper
Paper Size: 210mm/216mm×140mm--20m
Filter Setting:
AC: off/50/60Hz.
EMG: off/25/35/45/75/100/150/250/350Hz
Baseline Drift: off/0.01/0.05/0.3/0.6Hz
Heart Rate Range: 30-350 bpm
WiFi Security Standards:
WEP
WPA/WPA2 PSK
WPA2-Enterprise / ieee802.1x

Physical Specification

Dimension & weight:
Equipment: 285mm*360mm*94mm 3.7kg
Package: 345mm *195mm *430mm 6.2kg

Monitor:
10.4 inch(L*W=21.13cm*15.85cm,
Diagonal: 26.42cm) HD Color LED.
Full Touch Screen
1024*768 pixel resolution

Electrical Power:
AC: 100-240V , 50Hz/60Hz,75VA
DC: Built-in rechargeable battery

Battery Capacity: 4400mAh

Continuous Operating: DC $\geq 8\text{h}$

Recharge time: The battery is charged to 90% for no more than 3 hours, and charged to 100% for no more than 3.5 hours

Data Storage: more than 1000 sets. Support SD card, USB extension.

Environmental Conditions:

Transportation Temperature: $-20^{\circ}\text{C}\sim+55^{\circ}\text{C}$
Relative Humidity: 10%~95%
Atmospheric Pressure: 500hPa~1060hPa

Operation Temperature: $+5^{\circ}\text{C}\sim+40^{\circ}\text{C}$

Relative Humidity: 25%~85%

Atmospheric Pressure: 570hPa~1060hPa

System Inputs & Outputs

2*USB2.0/ LAN/ SD Interface

Standard Package

iMAC 120 ECG Machine (with battery)
Patient Cable
Chest Electrodes
Limb Electrodes
Thermal Printing Paper
Power Cord
Grounding Wire
User Manual

Optional Accessories

Series Electrodes
Thermal Printing Paper
SD Memory Card
Lithium Battery
Workstation Software
Trolley
Laser Printer
Scanner
Card Reader

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Advanced Function

- External laser printer to output the A4 report
EN 60601-1-2:2015
IEC 60601-2-25:2011
- Scanner, card reader and other patient information input devices
EN 62304:2006/A1:2015
EN 62366-1:2015
- Wireless WiFi function
EN 60601-1-6:2010/A1:2015
- DICOM function
- QTc formula:
Hodge, Bazett, Fridericia, Framingham
- Measurement Matrix
- Average Template
- R-R histogram, R-R chart
- Bradycardia and Tachycardia range adjustable
- Lead System: Standard, Posterior wall, Right chest, Right chest posterior wall, Prev. intercostal space, Next intercostal space, CABRERA, Custom
-
- GLASGOW ECG Algorithm can make precise diagnosis according to patient age, gender, racial, taking medicine history, etc., especially for AMI, Ventricular Fibrillation, Ventricular Tachycardia, quarterly Bradycardia, malignant arrhythmia, etc.

Certificates

Quality Standards

ISO9001
ISO13485
CE

Comply with

93/42/EEC As amended by 2007/47/EC

EN ISO 13485:2016
EN ISO 14971:2012
EN ISO 15223-1:2016
EN 1041:2008
ISO 10993-1:2009
ISO 10993-5:2009
ISO10993-10:2010
IEC60601-1:2005/A1:2012

NOTE:

- The specifications of this system may change without any prior notification.
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