

SPECIFICATIONS

ECG leads	12 channel simultaneous ECG and acquisition
Dimensions	300(W) x 299(H) x 123(D) mm , Approx. 4 kg
Record	12ch. Auto, Rhythm, Disclosure , Arrhythmia Detect
Recording channel	3CH+1RHV, 3CH+3RHV, 6CH+1RHV, 12CH, 1CH Long Time(1min, 3min, 5min,10min) and Special Report
Sensitivity	2.5, 5, 10, 20, auto(1~aVF:10, V1~V6:5) mm/mV
Printing speed	5, 12.5, 25, 50, 100 mm/s
Sampling rate	4,000 sample per second
Filters	AC (50/60 Hz, -20dB or better), Muscle (25~35Hz, -3dB or better), Base line drift (0.05, 0.1, 0.2Hz, -3dB or better), Low pass filter (off, 40Hz, 100Hz, 150Hz)
Display	7" Color TFT wide display (800 x 480)
Monitor display	HR, ID, date, AC or Battery state, sensitivity, speed, number of saved data, printing form, rhythm lead
User interface	Touch screen, Hot Key, Barcode Scanner, USB Keyboard
Patient data	ID, name, age, sex, height, weight, smoke, race
Basic measurement	Heart rate, PR, QRS, QT/QTc, P-R-T axis
Recorder	Thermal print head, roll paper Report papers: (width x length) - A4: 215mm(8.5") x 297mm(11.7") - Letter: 215mm(8.5") x 280mm(11") Resolution - vertical: 8dot/mm - horizontal: 16dot/mm
Electrical	Internal noise: 20uV(p-p)max / Input impedance: More than 50MΩ Input voltage range: ± 5mV / CMRR: Greater than 105dB DC offset voltage: ≥ ± 400mV Patient leakage current: < 10uA / Frequency response: 0.05 ~ 150 with in -3dB Isolated , Defibrillation and ESU protected
Signal quality control	Pacemaker pulse detection Lead fault detection, Signal saturation detection
ECG data storage	Internal Storage for 200 ECGs and external USB memory stick
Power	Input : 100-240 V~, 2-1A, 50/60Hz Output : 60 VA max
External link	LAN, 2 USB Port, WiFi(Optional)
File format	PDF, JPG, XML, MFER, DICOM
Battery	Type : Replaceable and rechargeable, Lithium ion Capacity : 360 minutes of continuous operation without recording or 200 ECGs with charged during approximately 3 hours
Communication	PC connection with RS232 interface and LAN, USB Memory, USB Barcode Scanner
Safety conformity	Class I, Type CF, CE, FDA, KFDA, CFDA, NCC
Environment	Operating humidity: 30~85% / Operating temperature: 10~40°C
Standard accessory	Power cord (1EA), Patient cable (1EA), Limb 1Set(4EA), Chest ball 1Set(6EA), ECG gell(1EA), ECG paper(1EA), Operation manual(1EA), Dignosis guide(1EA)
Options	Rechargeable battery, Cart, Hanger

* Specifications can be changed without prior notification.

Cardio7

Affordable, yet Powerful 12ch Resting ECG as ever
12 channel Interpretive Resting ECG with
7" Full Touch Screen Color TFT LCD



Distributed and Marketed By:

 JK MEDICAL
SYSTEMS PVT LTD

1068, Munusamy Salai, West K K Nagar, Chennai-600078, Tamilnadu, India
Phone : +91 44 23664761 / 62, Email: sales@jkmedical.co.in
www.jkmedical.co.in

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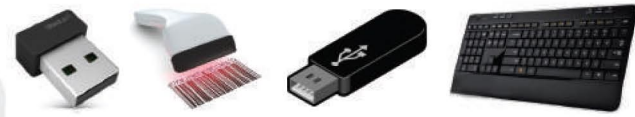
5F, Dream Markone 61 Digital-ro 31gil, Guro-gu, Seoul 08375
info@ebionet.com | www.ebionet.com

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Cardio7 | Explore most powerful functions and intuitive operations |

- **Touch screen operation**
Full alphanumeric keyboard support

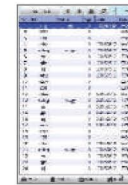
- **Convenient USB function**
memory storage, barcode scanner, WIFI converter, external keyboard



- **Spirometer function available (Optional)**



- **Extended data storage (200 cases)**



- **Various standard file formats**



- **Auto key Function**

One touch operation for analyzing, storing and printing result within 3 seconds.



Full Disclosure Function

'Disclosure' function shows 5-minute ECG data which was already saved on the internal storage. This function is used to check the suspected ECG data which might have been missed.

1. Press any point of the LCD screen for over 3 seconds to execute this function.
2. The screen will be changed to the 'Disclosure Window' which shows the 5-minute stored ECG data of the selected rhythm lead.
3. Select an area of interest of diagnosis.
4. Click the '10-second' button on the left corner of screen.
5. You will see 12CH ECG of the selected data.

Long Term Recording & Automatic Arrhythmia Detection

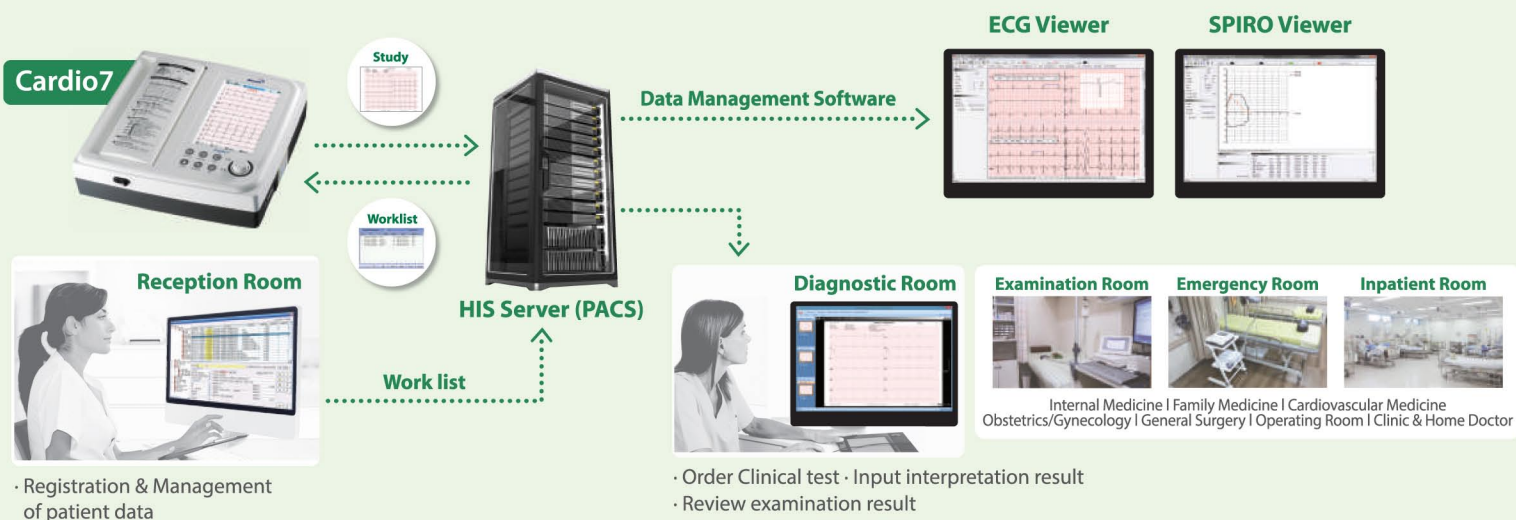
HRV Result
Patient Level : 1 ~ 9 (Normal : 9)

HR Result
Time Domain Analysis
- MeanHRT(bpm): Average HR / Standard Range : 60 ~ 100
- SDNN(ms): Standard Deviation(R-R int.)
Standard Range : 78.4 ~ 220.5

Frequency Domain Analysis
- TP(ms2): Total Power [VLF+LF+HF]
Standard Range : 7.2 ~ 9.1
- VLF(ms2): Very Low Frequency / Standard Range : 6.6 ~ 8.6
- LF(ms2): Low Frequency / Standard Range : 5.9 ~ 8.0
- HF(ms2): High Frequency / Standard Range : 3.8 ~ 7.1

Arrhythmia Result
Pause / Irregular / R on T / PVC Bigeminy PVC Trigeminy / PVC Couplet / Short Run of PVC Ventricular Tachycardia / Ventricular Rhythm PVC (Premature Ventricular Contraction) / Ventricular Asystole / Ventricular Bradycardia

Direct and bidirectional connectivity with PACS (Optional)



Special Beat Reports for More Detailed and Precise Interpretation

Detailed measurement data for professional interpretation.

Text

Guide

Vector