

SPECIFICATIONS

ECG leads	12 channel simultaneous ECG and acquisition
Dimensions	300 (W) x 299 (H) x 123 (D) mm , Approx. 4 kg
Record	Auto, Rhythm, Disclosure , Arrhythmia Detect
Recording channel	3CH+1RHV, 3CH+3RHY, 6CH+1RHV, 12CH, 1CH long time (1 min, 3 min, 5 min, 10 min) and special reports (text, guide, vector)
Sensitivity	2.5, 5, 10, 20, auto (I~aVF: 10, V1~V6: 5) mm/mV
Printing speed	5, 12.5, 25, 50, 100 mm/s
Sampling rate	2,000 samples per second
Filters	AC (50/60 Hz, -20 dB or better), Muscle (25~35 Hz, -3 dB or better), Base line drift (0.05, 0.1, 0.2 Hz, -3 dB or better), Low pass filter (off, 40 Hz, 100 Hz, 150 Hz)
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: 215 mm (8.5") x 297 mm (11.7") - Letter: 215 mm (8.5") x 280 mm (11") Resolution - vertical: 8 dot/mm - horizontal: 16 dot/mm
Electrical	Internal noise: 20 uV(p-p)max / Input impedance: More than 50 MΩ Input voltage range: ± 5 mV / CMRR: Greater than 105 dB DC offset voltage: ≥ ± 400 mV Patient leakage current: < 10 uA / Frequency response: 0.05 ~ 150 within -3 dB 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 flash drive
Power	Input: 100-240 VAC, 2-1 A, 50/60 Hz Output: 60 VA max
External link	LAN, 2 USB Port, WiFi (Option)
File format	PDF, JPG, XML, MFER, DICOM
Battery	Type: Replaceable and rechargeable Lithium Ion Capacity: 6 hours of continuous operation without printing or Approx. 3 hours of 200 ECG printouts
Communication	RS232, LAN, Wi-Fi, USB flash drive, 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 (1 EA), Patient cable (1 EA), Limb 1 Set (4 EA), Chest ball 1 Set (6 EA), ECG gel (1 EA), ECG paper (1 EA), Operation manual (1 EA), Dignosis guide (1 EA)
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



شرکت ارکان آرا تجارت البرز

North America (U.S.A): Bionet America, Inc.

E-mail: sales@bionetus.com

Tel: +1-714-734-1760

www.bionetus.com

South Korea: Bionet Co., Ltd

E-mail: sales@ebionet.com(Int'l)
ajy@ebionet.com(Domestic)

Tel: +82-70-7585-6418(Int'l)
+82-2-6300-6483(Domestic)

www.ebionet.com

Latin America: Bionet Latin America, Inc.

E-mail: bla@ebionet.com

Tel: +1-949-800-9585

www.bionetesp.com

Iran: Arkan Ara Tejarat Alborz co., Ltd

E-mail: info@arkanara.com

Tel: 021-81060

www.arkanara.com

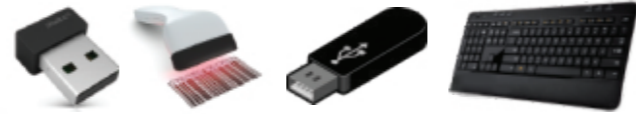


Cardio7 | Explore most powerful functions and intuitive operations |



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

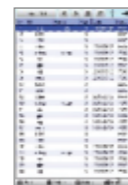
- **Convenient USB function**
External storage, barcode scanner, WIFI converter, external keyboard



- **Spirometer function available (Optional)**



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



- **Various standard file formats**

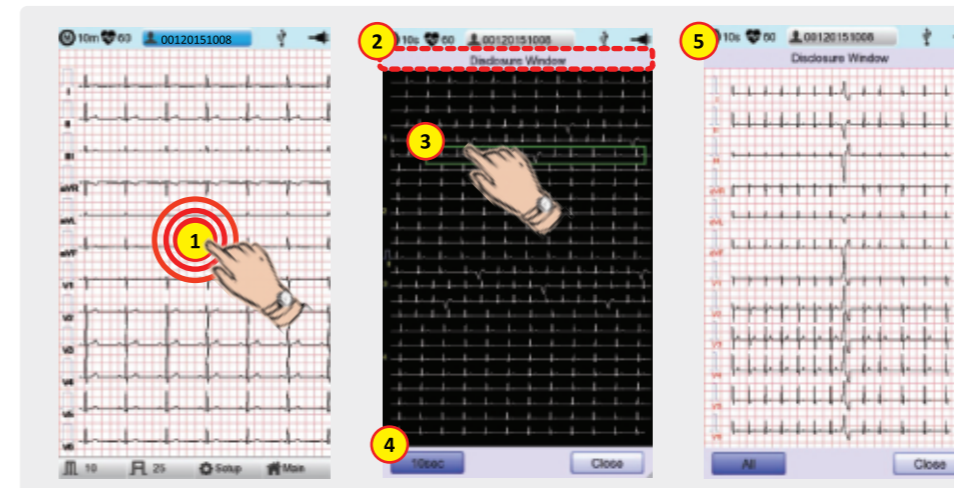


- **Auto key function**
One touch operation for analyzing, storing and printing result within 3 seconds.

AUTO

➤ 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)

HRV Analysis

Time Domain Analysis

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

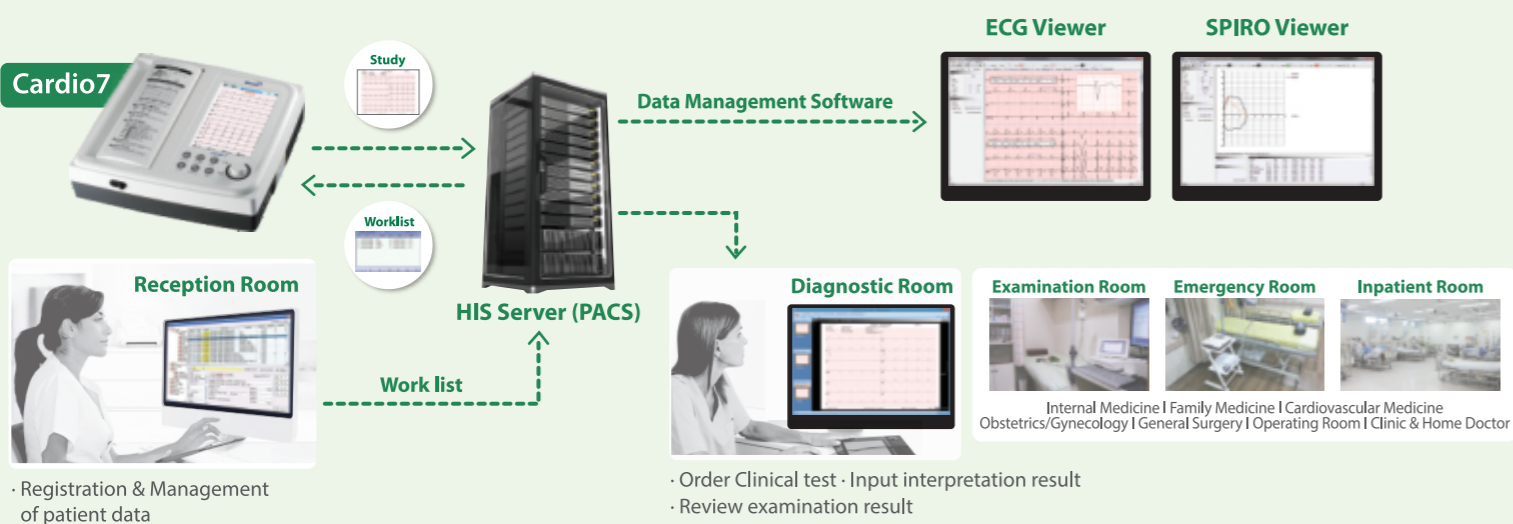
Frequency Domain Analysis

- 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 via DICOM 3.0 standard (Optional)



➤ Special Beat Reports for More Detailed and Precise Interpretation

Detailed measurement data for professional interpretation.

- **Text**: A table of numerical data representing ECG measurements.
- **Guide**: A diagram showing the heart's electrical activity with corresponding ECG traces.
- **Vector**: A circular diagram showing the heart's electrical activity with corresponding ECG traces.