

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+1RHY, 3CH+3RHY, 6CH+1RHY, 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
File format	PDF, JPG, XML, MFER, DCM
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, WiFi, 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), ECG clips (1 set), Disposable electrodes (1 pouch), Chart paper (1 ea), Operation manual (1 ea), Diagnosis guide (1 ea), Rechargeable battery (1 ea), USB WiFi dongle (1 ea)
Options	Cart, Hanger, DICOM 3.0

* Specifications can be changed without prior notification.



Cardio7

12 Channel Interpretive Resting ECG
7" Color Touch Screen and WiFi



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Cardio7 | Explore 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

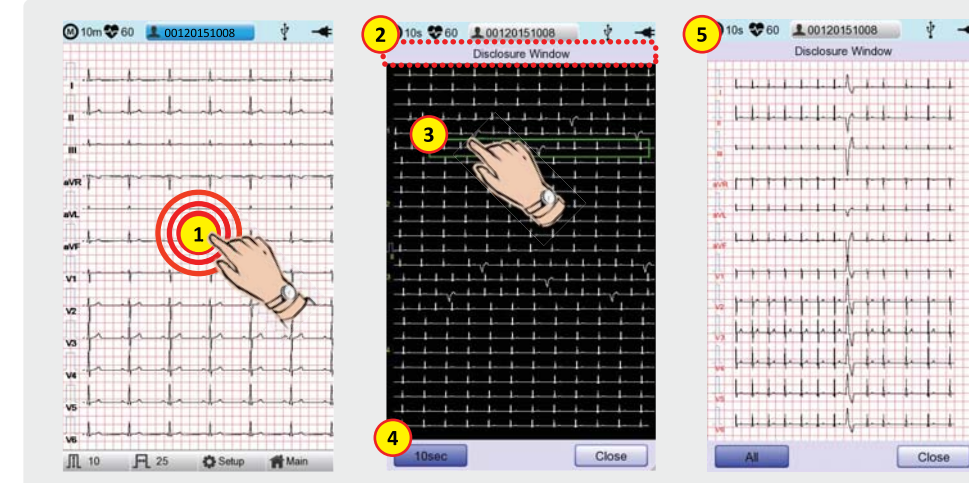


• Auto key function
One touch operation for analyzing, storing and printing result within 3 seconds.



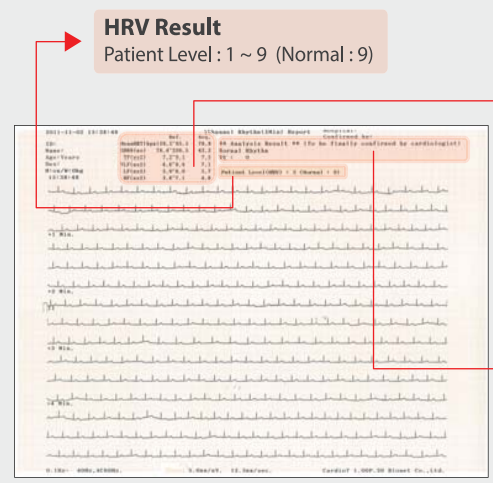
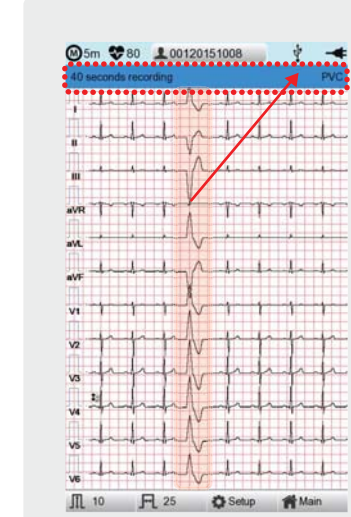
Full Disclosure Function

'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



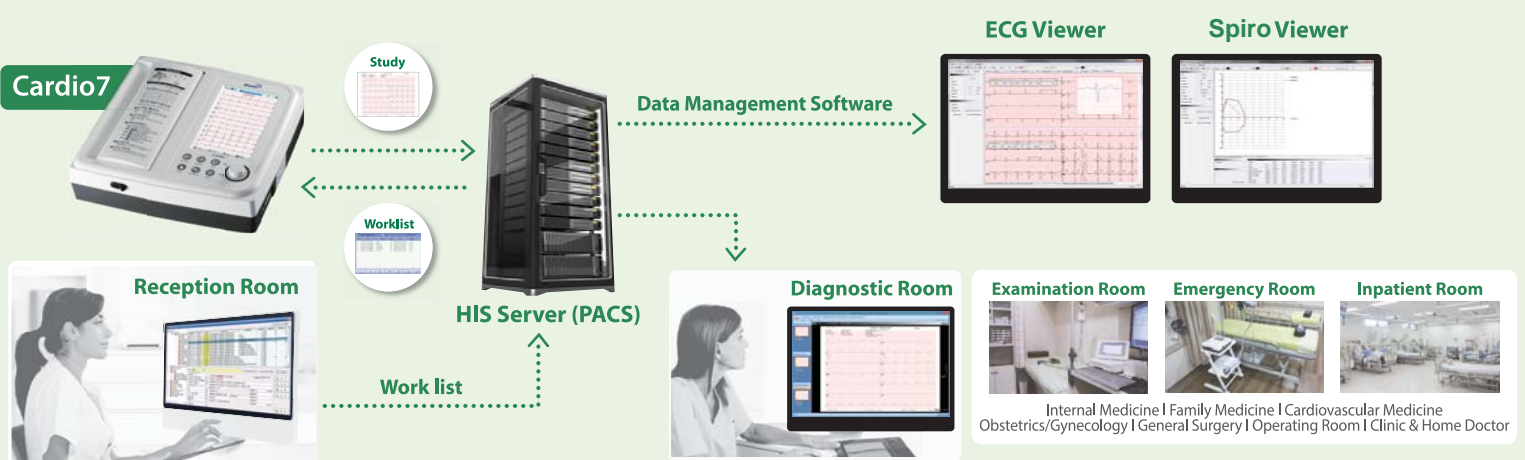
HRV Result
Patient Level: 1 ~ 9 (Normal : 9)

HRV Analysis
Time Domain Analysis
- Mean HRT (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 (Optional)



Special Beat Reports for More Detailed and Precise Interpretation

Detailed measurement data for professional interpretation.

• Text

• Guide

• Vector