

## SPECIFICATIONS

<b>ECG leads</b>	12 channel simultaneous ECG and acquisition
<b>Dimensions</b>	300 (W) x 299 (H) x 123 (D) mm, Approx. 4 kg
<b>Record</b>	Auto, Rhythm, Disclosure, Arrhythmia Detect
<b>Recording channel</b>	3CH+1RHY, 3CH+3RHY, 6CH+1RHY, 12CH, 1CH long time (1 min, 3 min, 5 min, 10 min) and special reports (text, guide, vector)
<b>Sensitivity</b>	2.5, 5, 10, 20, auto (I~aVF: 10, V1~V6: 5) mm/mV
<b>Printing speed</b>	5, 12.5, 25, 50, 100 mm/s
<b>Sampling rate</b>	2,000 samples per second
<b>Filters</b>	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)
<b>Display</b>	7" color TFT wide display (800 x 480)
<b>Monitor display</b>	HR, ID, date, AC or battery state, sensitivity, speed, number of saved data, printing form, rhythm lead
<b>User interface</b>	Touch screen, hot key, barcode scanner, USB keyboard
<b>Patient data</b>	ID, name, age, sex, height, weight, smoke, race
<b>Basic measurement</b>	Heart rate, PR, QRS, QT/QTc, P-R-T axis
<b>Recorder</b>	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
<b>Electrical</b>	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
<b>Signal quality control</b>	Pacemaker pulse detection lead fault detection, signal saturation detection
<b>ECG data storage</b>	Internal storage for 200 ECGs and external USB flash drive
<b>Power</b>	Input: 100-240 VAC, 2-1 A, 50/60 Hz Output: 60 VA max
<b>External link</b>	LAN, 2 USB Port
<b>File format</b>	PDF, JPG, XML, MFER, DCM
<b>Battery</b>	Type: Replaceable and rechargeable Lithium Ion Capacity: 6 hours of continuous operation without printing or Approx. 3 hours of 200 ECG printouts
<b>Communication</b>	RS232, LAN, WiFi, USB flash drive, USB barcode scanner
<b>Safety conformity</b>	Class I, Type CF, CE, FDA, KFDA, CFDA, NCC
<b>Environment</b>	Operating humidity: 30~85% / Operating temperature: 10~40°C
<b>Standard accessory</b>	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)
<b>Options</b>	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)**



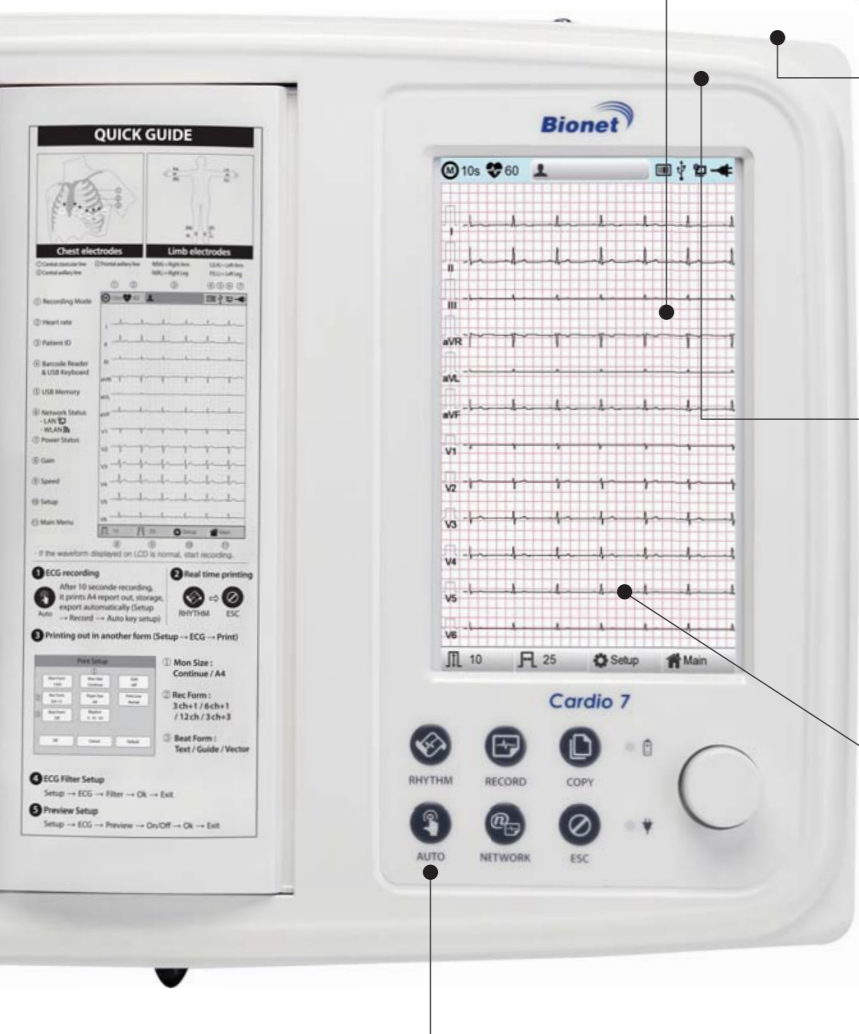
**• Extended data storage (200 cases)**



**• Various standard file formats**

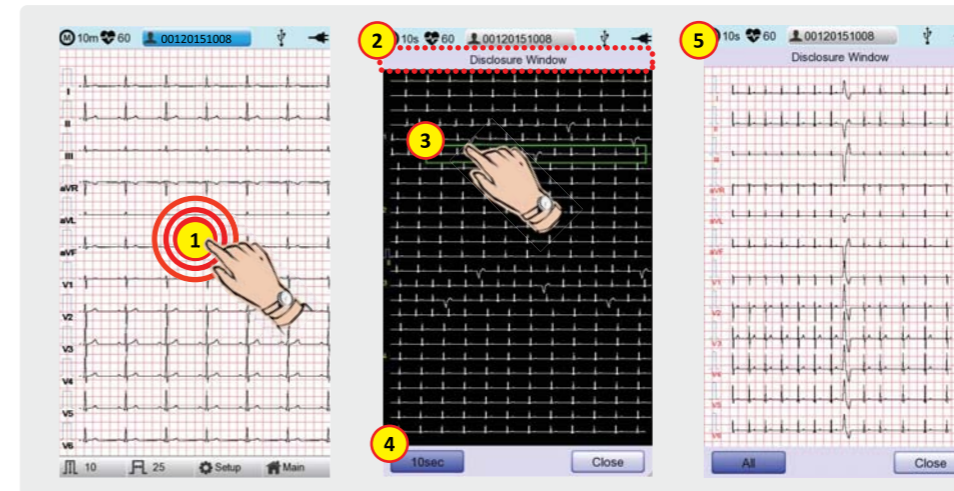


**• Auto key function**  
One touch operation for analyzing, storing and printing result within 3 seconds.



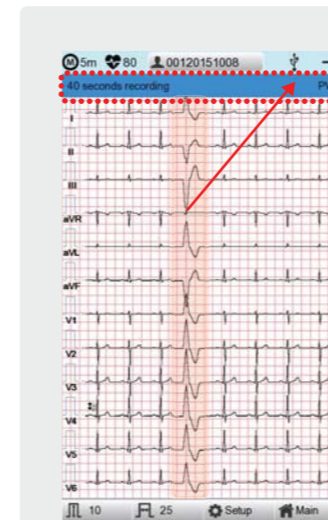
## Full Disclosure Function

'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.



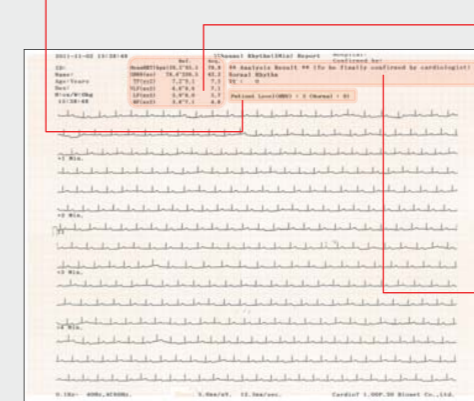
1. Press any point of the LCD screen for over 3 seconds to execute this function.
2. The screen will be changed to the 'Disclosure Window' which shows the 5-minute stored ECG data of the selected rhythm lead.
3. Select an area of interest of diagnosis.
4. Click the '10-second' button on the left corner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



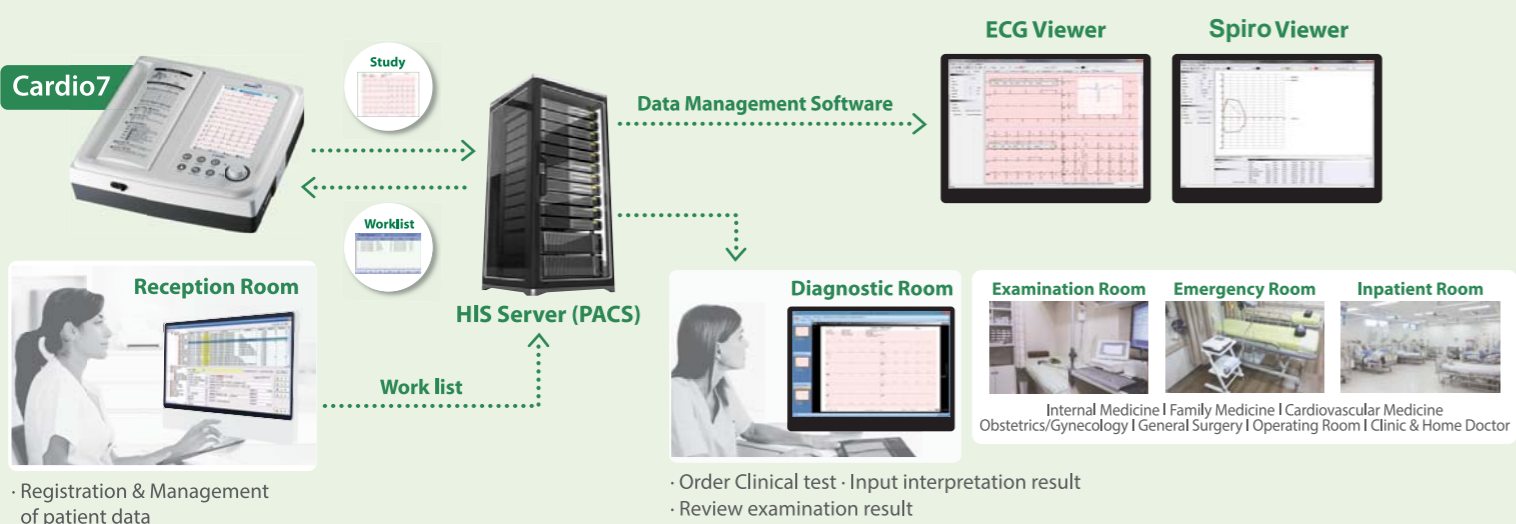
### HRV Analysis

- 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**