

COMeN Share with the World



H12 Electrocardiograph



Getting Smaller but Stronger

The development of the Internet has revolutionized all industries, including computers, mobile phones, watches and glasses, and even affected to medical devices.

The concept of miniaturization has been thriving, and it is the frontier trend that Comen has been following in the footsteps of the world so as to create the H12 high-end 12-channel electrocardiogram machine.

We believe that the smaller and more exquisite electrocardiogram machine, should not only has good looking design but also perfect performance. It should integrate excellent outlook and function well.

To this end, we are reinventing ourselves from the inside out and innovating completely, adhering to the thought of exquisite design, precise measurement, and perfect performance to make H12 more practical and aesthetically pleasing than previous products.

Compact, flexible, intuitive design

Continuous refine of H12 makes it more compact, more delicate and more practical.



10.4 inch LED HD touch screen
Full vertical screen display
Two display formats 12×1、6×2

Stylus makes operation and input more easily



Full touch screen operation
Up and down sliding operation

USB interface can be connected with U disk, mouse, keyboard, external printers and scanner etc.

Plug and play manner of the up and lower shells allows easy disassembling and maintenance and high reliability and stability.

Accurate measurement

High precision digital filtering technology eliminates baseline drift and other disturbances, providing real and accurate ECG waveforms.



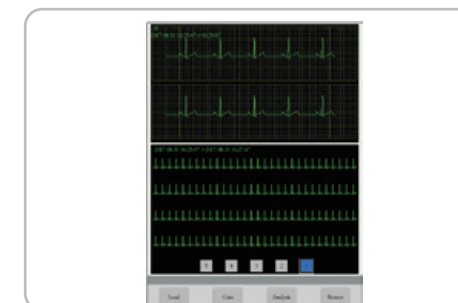
- 12-lead ECG acquisition, amplification and recording simultaneously
- Polarization voltage $\geq \pm 650\text{mV}$, CMRR $\geq 105\text{dB}$, Time Constant $\geq 5\text{S}$ and 24bits A/D conversion allows powerful anti-defibrillation ability and accurate collection of ECG waveforms
- First using Cabrera Leads mode help accurate definition and calculating frontal plane axis of myocardial ischemia and Myocardial infarction, improve determinant of infarction artery, fatalness evaluation, etc.
- Support HRV analysis and rhythmic R-R analysis
- Pacemaker detection

Perfect performance

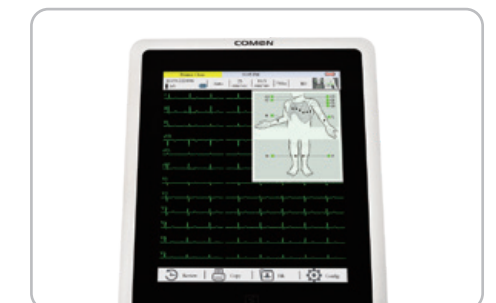
- Hand writing input of patients information;
- Support ECG data management software, HL7 protocol, DICOM Worklist.
Doctor can view ECG waveform report from computer directly
- Patient case management help easy search, transmit, print and view patients information .
- Standby and automatic wake-up as well as timing shutdown support;
- USB disk to input & output ECG data.
- Intelligent charging mode, both slow charging and fast charging available.
Charging mode matches with working mode to reduce heat and protect components.



Scanner available allows for quick inputting of the patients information.



600 seconds of 12-lead waveforms review;
10 seconds 12-leads waveforms recording.



Amplification of Leads status map to show whether the ECG leads are connected well.

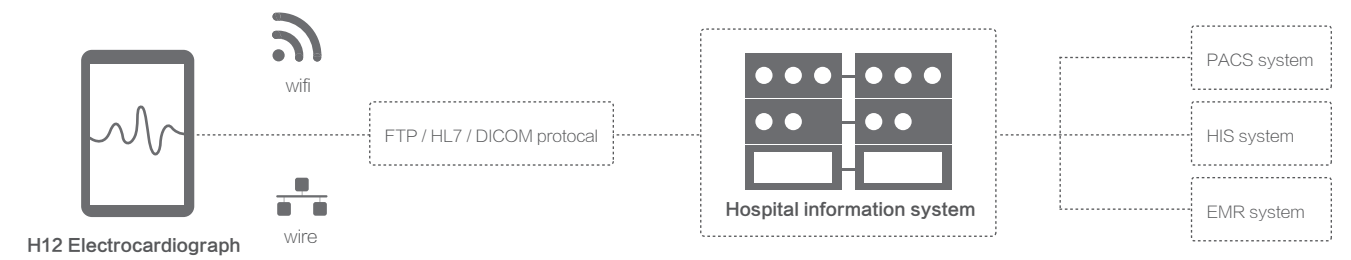
More efficient printing systems

- Automatic measurement of ECG waveform, automatic measurement of report output, support a variety of record formats;
- Various recording format: 12×1, 12×1+1T, 6×2, 6×2+1R, 3×4, 3×4+1R, 3×4+3R;
- Recording mode: one key printing, extend printing and normal printing
- Intellectualized Cali-Rec™ recording calibration system solves the problem of ECG paper jam, paper deflection completely



ECG Information solution proposal

- Support wire/wireless networking
- Support connection with U disk, SD card, mouse, keyboard, scanner, laser printer
- Support BMP / JPG / PDF / DICOM / SCP-ECG / FDA-XML format reporting
- Support ECG data management software, HL7 / FTP / DICOM protocol allow connection with hospital HIS、EMR、PACS system. Doctor can view ECG waveform and diagnosis report from computer directly



Powerful data storage

- 600 seconds 12-lead waveforms review
- 10000 ECGs internal memory; support formats DAT, BMP, JPG, PDF, DICOM, FDA-XML, SCP
- Support patients' name and ID number search.

