

## Technical Specifications:

<b>ECG:</b>	
Input circuit	Floating circuit input
Lead	Standard 12 leads
Acquisition mode	Simultaneous 12-lead acquisition
A/D converter	12 bits
Sample rate	1000Hz
Input CIR current	≤0.1μA
Input impedance	≥50M
Patient leak current	<10μA
Time constant	≥3.2s
Frequency response	0.05~150Hz
Noise level	<15μVp-p
Sensitivity	(2.5, 5, 10, 20) mm/mV
Calibration voltage	1mV±3%
CMRR	>100dB
Polarization voltage	±500mV
Filters	AC filter, ADS filter, EMG filter
Recording mode	Auto/ Manual/ Rhythm
<b>ECG storage</b>	
Inner storage	200 ECGs
External storage	SD card/ USB flash disk (Optional)
<b>ECG recorder: (Optional)</b>	
Recorder	External HP laser printer
Paper speed	(12.5, 25, 50)mm/s, ≤5%
Recording mode	12 CH; 3*4+1CH; representative heartbeat recording
Recording paper	A4 paper
<b>Others:</b>	
Display	8 inch TFT LCD touch screen, supporting handwriting, with 1:1 ratio grid-line
Interfaces	USB, SD card, LAN, WIFI
Power supply	Input AC: 100V~240V, 50Hz, 50VA Output DC: 19V, 1.66A Rechargeable Li-ion battery, 14.8V-2200mAh
Dimension(LxWxH)	230mmx180mmx61mm
Net weight	1.5kg
<b>Standard Configuration:</b>	
	IE12P main unit
	ECG cable
	Chest electrodes
	Limb electrodes
	SD Card
	Handwriting pen
	ECG workstation software
<b>Options:</b>	
	Barcode scanner
	USB flash disk
	Trolley
	WIFI
	USB laser printer (HP)



CE 0434

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# SonoScape



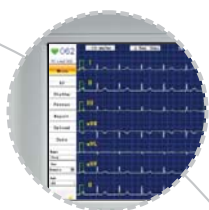
## IE12P

Palm ECG on Demand  
 during Your Ward Rounds

Caring for Life through Innovation

# IE12P Palm ECG on Demand during Your Ward Rounds

A fast and simple information inputting system frees doctors or nurses to focus on diagnosis and care!



8 inch TFT LCD Touch Screen



Knob operation

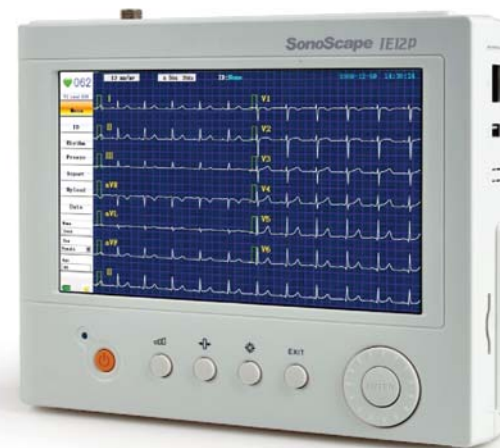


Barcode Scanning



Touching Pen Operation

Are you still carrying the heavy ECG to walk around the hospital? Do you feel impatient when it takes a long time to finish one patient examination? Now, no more worry about that, since IE12P can help you easily resolve these problems and enjoy its excellent experience. Palmtop design, less than 2 kg, high-volume battery, fast entry for information input, large capacity for data storage, USB laser printer and WIFI transfer, all these together get IE12P recognized as a new concept ECG for ward round and out-door diagnosis.



## Palmtop Design, Less than 2kg

- IE12P is one of the lightest 12-channel ECGs available in the market, specially design for ward round and out-door diagnosis.



## High Volume Battery

- Long-lasting and energy-efficient pluggable rechargeable battery for up to 6 hours operation



## Easy Access for ECG Storage

- Internal ECG storage up to 200 files  
- External 2G SD card and USB flash disk enable an easy, mobile and safe access for file storage



# Advanced Technologies Enhance Diagnosis Confidence



## 1:1 Ratio Background Grid Line

8 inch high resolution TFT LCD display, 1:1 ratio background grid line without compression, good for doctors to observe waveform status directly without printout. It is necessary and practical especially in the ward round or outdoor diagnosis.



## 60 Seconds Waveform Freezing

- 60 seconds of waveforms review and the most valuable 10 seconds of it to print out and analyze
- It is significant when testing some naughty children, fracture patients and aged people whose skin is too dry to connect the electrodes and so on.



## R-R Analysis Function

Up to 120 Seconds of RR interval analysis with RR histogram, help doctors to better determine the arrhythmia.



## Preview function

The doctor can preview the waveforms or the analysis result directly on the screen then to decide whether to save, print or upload, good for cost-saving and efficiency improvement.



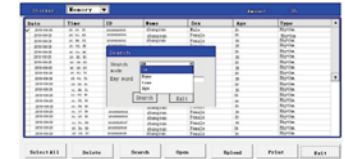
## Report Re-edit Function

Report re-edit according to the doctor's diagnosis, ensuring a more accurate report



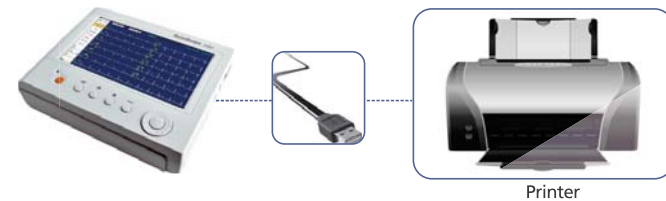
## Data Administration

The ECG data, including patient information, waveform and analysis result, can be stored in the internal memory, SD card or USB flash disk. The data can be easily searched by ID, name, time and age.



## External USB Laser Printer

IE12P support external USB laser printer with A4 paper printing, which is more convenient and cost-saving.



# Standard ECG Workstation, Convenient Data Management



## Data Upload by LAN or WIFI

Through LAN port or WIFI device, the saved data can be transferred back to the doctor's office in time for another doctors' consultation or for high-volume data management.

## Operation Environment

- Hardware environment (recommended)
  - A. CPU: P4/ 1.8G and above
  - B. Hard drive: 20 GB and above
  - C. RAM: 1G and above
- Operating systems
  - Windows XP, Windows 7
- Network
  - TCP / IP communication protocol



## Data Post-processing Abilities

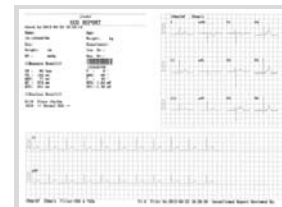
- Powerful auto measurement and analysis
- Supporting laser color printer on A4 paper with cost-saving
- High accuracy electronic ruler for refined measurement and reanalysis
- Report editable
- Various reports catering for different requirements



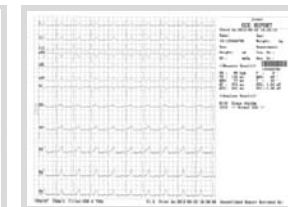
Waveform Review interface



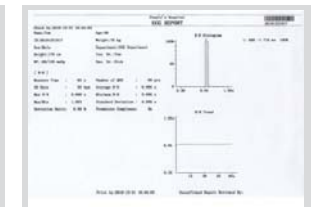
Multiple diagnosis modules interface



Heartbeat print format



12CH print format



R-R analysis report printout