

Technical Specifications:

ECG:	
Input circuit:	Floating circuit input
Lead:	Standard 12 leads
Acquisition mode:	Simultaneous 12-lead acquisition
A/D converter:	24 bits
Sample rate:	1000Hz
Input CIR current:	≤0.1μA
Input impedance:	>50M
Patient leak current:	<10μA
Time constant:	≥3.2s
Frequency response:	0.05~250Hz
Noise level:	<15μVp-p
Sensitivity:	(2.5, 5, 10, 20, 10/5, 20/10) mm/mV
Calibration voltage:	1mV±3%
CMRR:	>100dB
Polarization voltage:	±500mV
Filters:	AC filter, ADS filter, EMG filter
Recording mode:	Auto/ Manual/ Rhythm
Rhythm lead printing:	Any lead selectable, printing for 30-300 seconds
ECG storage:	
Inner storage:	200 ECGs
External storage:	SD card
ECG recorder:	
Recorder:	High resolution thermal array printer
Paper speed:	(5, 6.25, 12.5, 25, 50) mm/s
Recording mode:	3CH, 3+1CH, 3+3CH, 6CH, 6+3CH, 12CH, 12+1CH, 12+3CH; Economy mode: A4 paper size
Recording paper:	210mm×140mm-140m, fold paper 210mm×150mm-140m, fold paper (Optional)
Others:	
Display:	8.9 inch TFT LCD touch screen, with 1:1 ratio grid-line
Interfaces:	USB, SD card, LAN, VGA, audio
Power supply:	100V~240V, 50Hz, 50VA Rechargeable Li-ion battery, 14.8V-4400mAh
Dimension(L×W×H):	345mm×260mm×80mm
Net weight:	About 4.6kg
Standard Configuration:	
	IE12 main unit ECG acquisition box Chest electrodes Limb electrodes Thermal paper SD Card
Options:	
	ECG workstation software Barcode scanner U disk Trolley WIFI

SonoScape



IE12

Quickness, Accuracy and Stability,
beyond Compare



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Caring for Life through Innovation

IE12 Quickness, Accuracy and Stability, beyond Compare

IE12 is a new type of 12-channel ECG which has made a lot of improvement in the key ECG technologies of quickness, accuracy and stability as well as the streamlined workflow. It applies a new platform for ECG signal acquisition, which can well perform in interference reduction, fast waveform display and right-level of filtering. It caters for the hospitals and busy clinics where ECG volume is high, speedy and quality-demanding.



Innovative Design, Compact in Size



8.9 inch TFT LCD touch screen, with high resolution 1280*768



60 degree viewing angle adjustable



Full alphanumeric waterproof silicon keyboard

Abundant Peripheral interfaces:

- VGA port for connecting external monitor
- LAN port for real-time data transmission
- USB ports for data storage or barcode scanner
- SD card for data storage or software upgrade

New ECG Acquisition Platform, New User Experience



More Quickly

- Waveform instant-on start-up availability, no longer to wait for seconds
- Waveforms stable within 1 second after acquisition, speeding up the observation and analysis

More Stable

- Improved technologies in signal processing, less interference and better performance
- Neat and orderly waveforms without drifting or overlap

More Accurate

- 1:1 ratio in waveforms display and printing without compression, good for accurate diagnosis
- New type of filters, contribute to the right level of filtering and maintain more useful signals, avoid misdiagnose

ECG Acquisition Box

More Cost-saving

- Independent lead for cost-saving in after-sale maintenance, no longer need to change the whole ECG cable when one lead breaks down

More Time-saving

- Keys on the acquisition box can help doctors or nurses to print, stop printing or start arrhythmia analysis quickly and directly, good for time saving and efficiency improvement.



Powerful Functions to Help You Advance with the Times



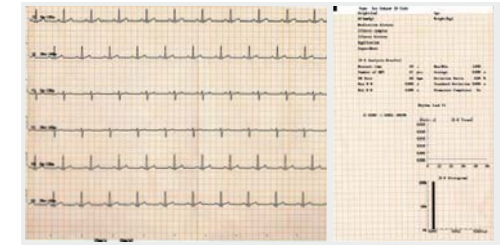
Pacemaker Detection

- Through ECG waveforms display and analysis, doctors can determine the pacemaker type and work status through the ECG analysis.



R-R Analysis

- 30-300 seconds for R-R analysis, better in arrhythmia diagnosis
- Up to 200 kinds of arrhythmia analysis



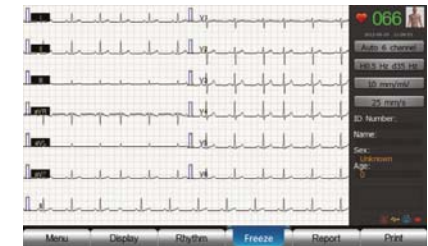
Minnesota Code

- Automatic measurement and interpretation with Minnesota Code, tested by authoritative CSE/AHA database, ensure the analysis accuracy.



Waveform Freezing

- 60 seconds for waveform freezing and cine-loop, any 10 seconds selectable for analysis and print;
- It is significant when testing some naughty children, fracture patients, aged people whose skin is too dry to connect the electrodes and so on.

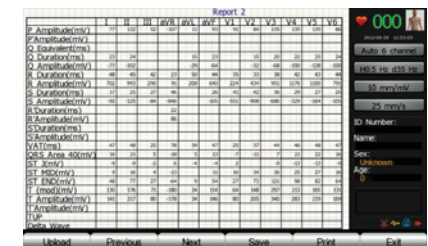
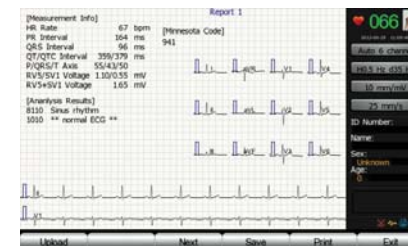
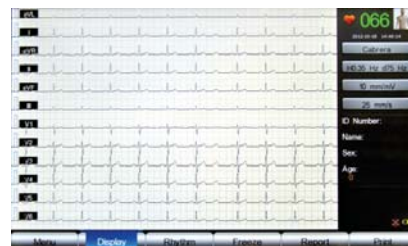


Preview Function

- Doctors can preview the waveforms and analysis result directly on the screen then to decide whether to print or not, good for faster treatment and cost-saving.

Cabrera Lead Mode

- Lead order is aVL, I, -aVR, II, aVF, III, V1 through V6.
- It has been well-recognized and favorable especially in European countries, which makes it easier to position the origin of myocardial ischemia or arrhythmia and significant to estimate the infarction part and infarct size.



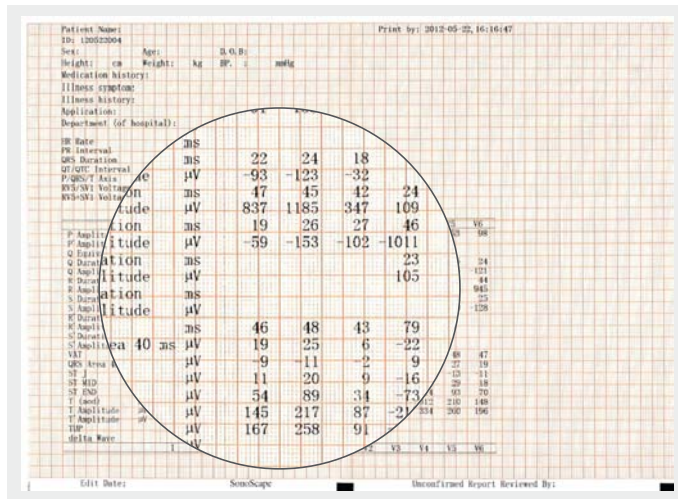
Various Recording Modes

- **Auto:** The report will be printed automatically when the doctor chooses a certain mode.
- **Manual:** The report will be printed manually as the doctor likes.
- **Rhythm mode:** Single lead or 3 leads for 60 seconds
- **Paper-saving mode:** Printing the report at A4 size for cost-saving, especially suitable in physical examination

Flexible Report Format

- Waveforms only
- Simple analysis result
- Detailed analysis result

Doctors can flexibly combine the report format according to the clinical needs. It is good for cost-saving.



Detailed analysis report



Simple analysis report



12CH report format



6x2CH +3rhy report format

Multiple Database Management to Enhance Workflow and Improve Patient Care



Solutions for Data Storage, Inquire and Transfer

- local memory up to 200 ECGs
- Standard 2G SD card for unlimited files storage
- ECG files can be saved in USB flash disk
- Saved ECG files can be inquire, read and printed again
- ECG files can be transferred to ECG workstation by LAN port or WIFI

