



E70/E80

Digital 12-channel ECG Machine



NEW

QWERTY keyboard
Operation
waterproof design

Flexible screen
folding design

Touch Screen
intuitionistic display



E80

Digital 12-channel ECG Machine

Outlook

- Touch Screen, more intuitionistic display
- 12.1 inch color LCD, 12 waveforms synchronously display
- Portable, overturning & folding design
- QWERTY keyboard design, multi-function shortcut key, easy for operation
- Waterproof keyboard design

Data saving

- Support saving internal data
- Support saving High-capacity data into built-in 2G SD card
- Support saving data into U dish
- Support transferring data
- Support reviewing data
- Support reanalyzing data

Improved Performance

- Adapt Innovative digital filters for better performance
- Adapt fast-speed baseline correction algorithm, rapidly stabilize baseline
- Adapt 24-bit high-resolution data sampling
- Adapt 1000Hz high- frequency data sampling
- Initially adapt 24-bit high-accuracy data saving, ensure the accuracy of follow-up data analysis

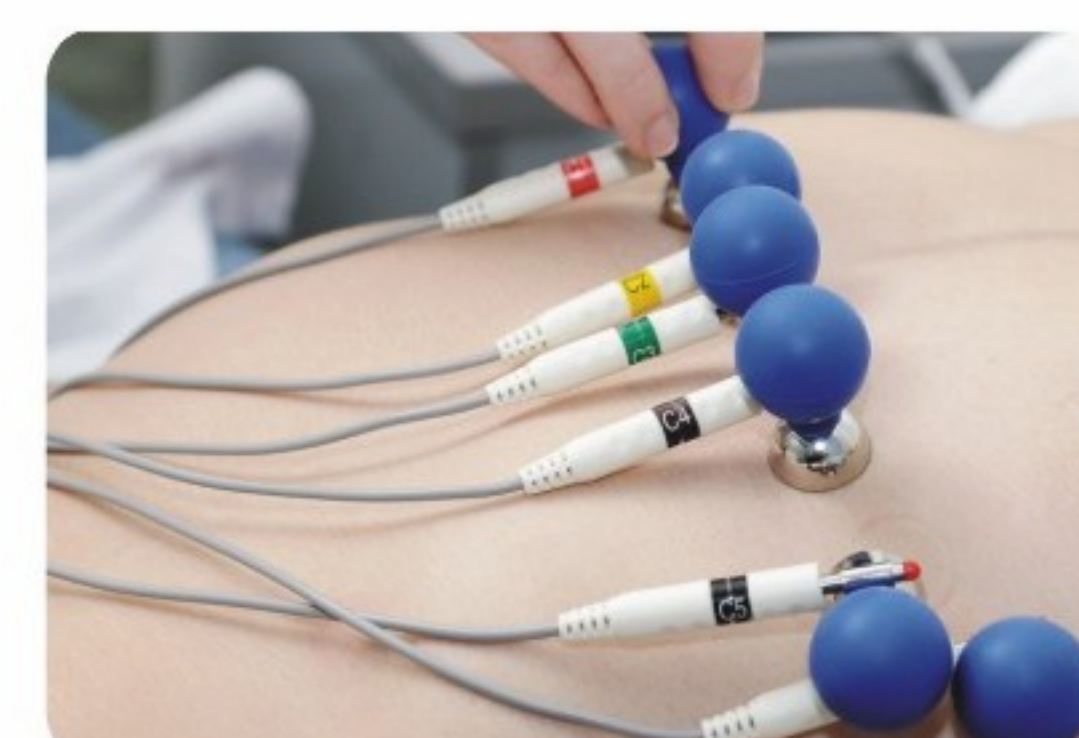


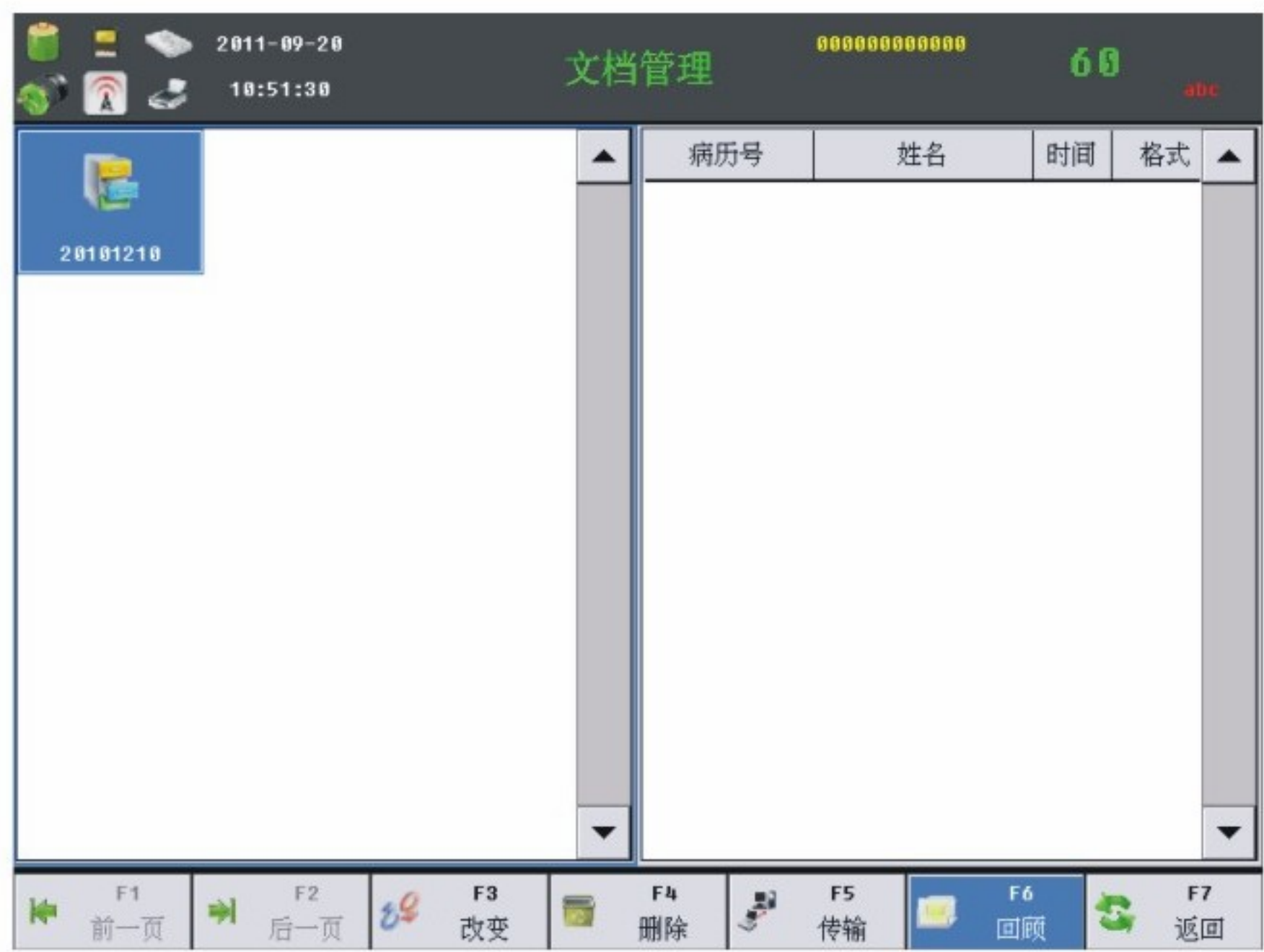
Support multiple modes of report recording
The length of record waveforms is optional



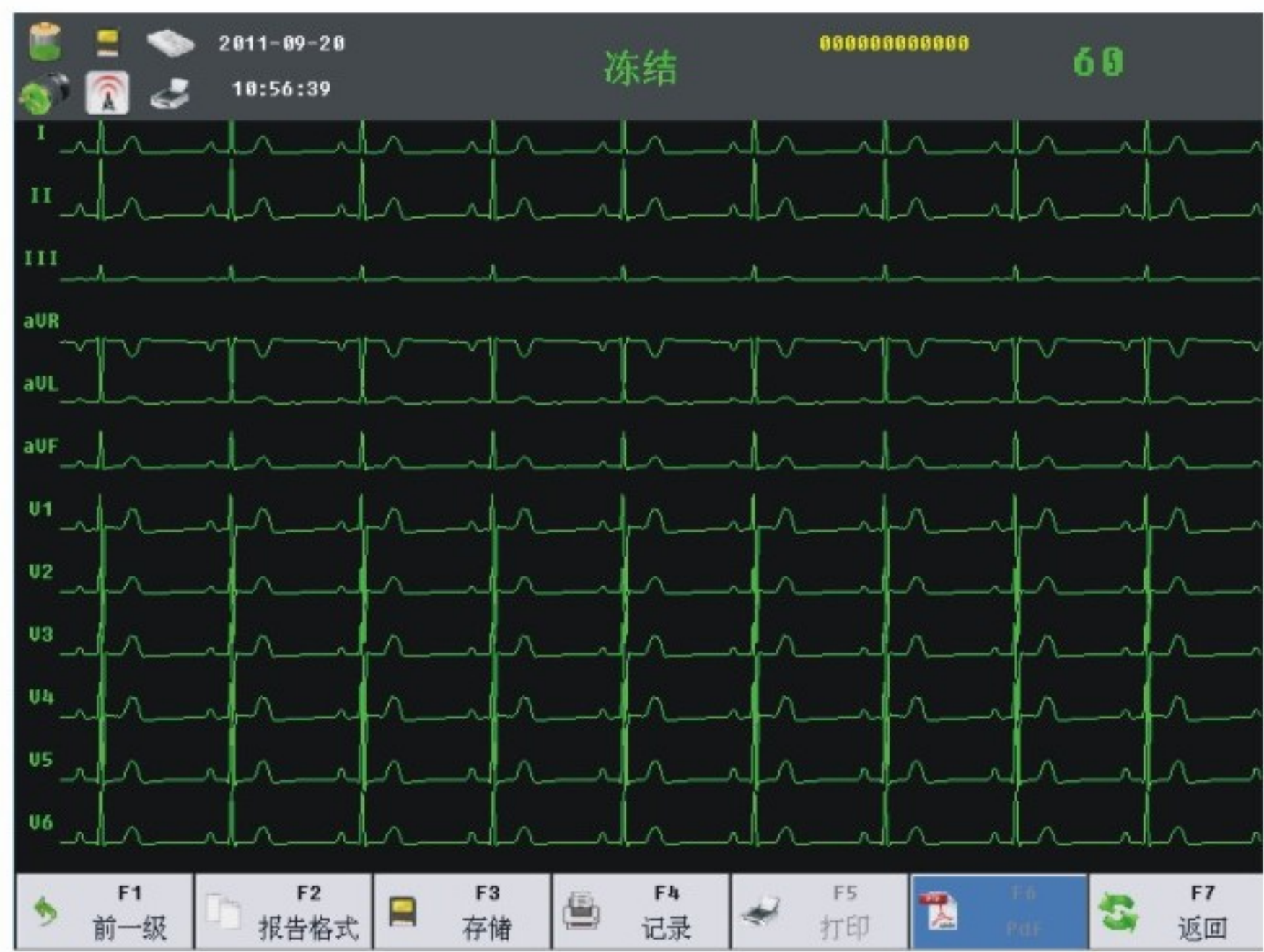
Support four kinds of filter setting: AC filter, baseline drift filter, EMG filter, lower filter.
High-speed baseline correction filter is built in to ensure rapidly correcting the baseline

Clinical Mounting solution

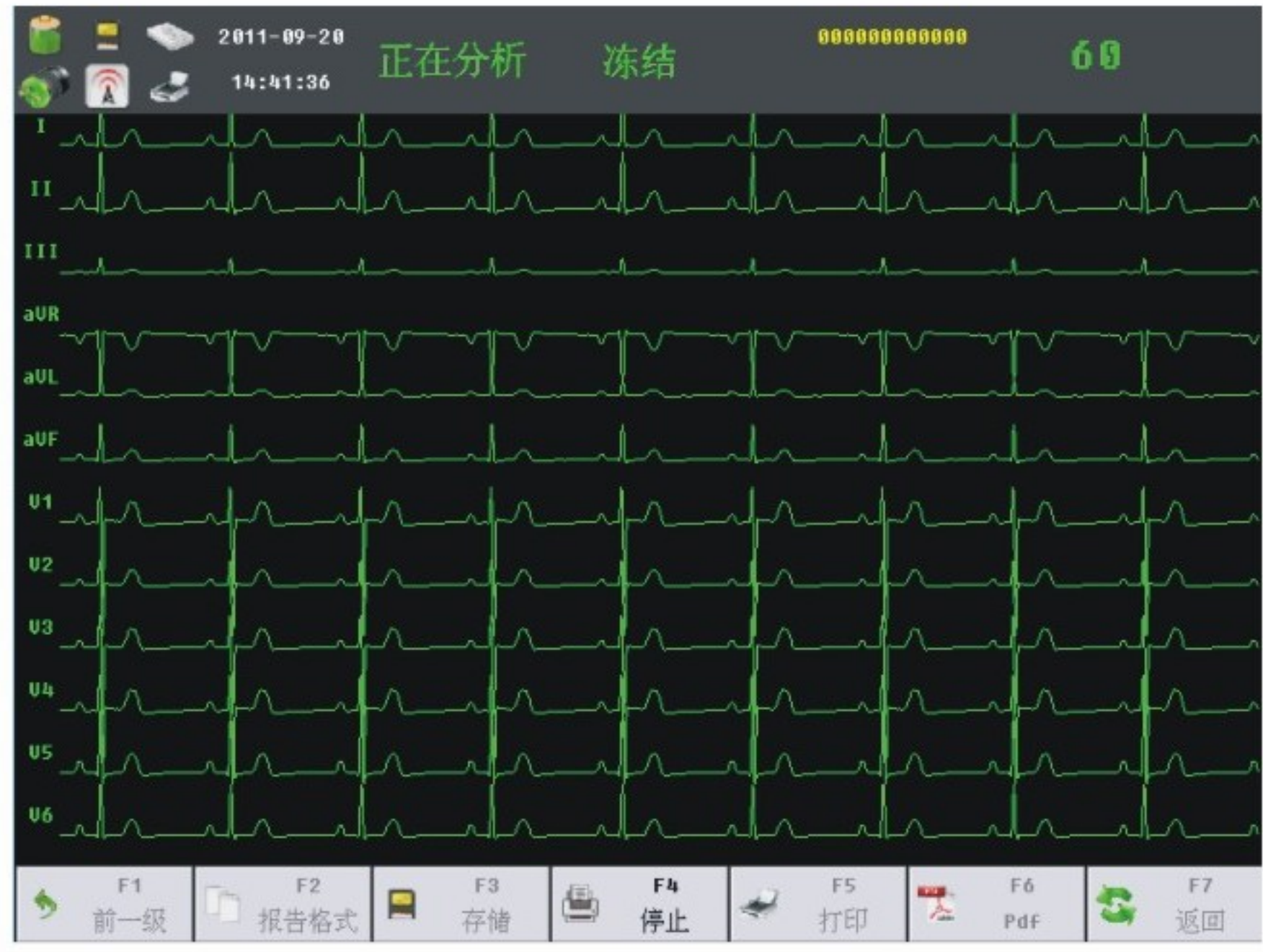




Files are classified for management and can be found according to date of saving & can be saved to SD memory card, U dish or other storage medium



Support saving 60 seconds digital 24 bit uncompressed waveform
Random 10-second waveform can be chose for analysis & processing



Support analyzing synchronous 12-lead waveform, reviewing report & adjusting report mode



Outlook

- Touch Screen, more intuitionistic display
- 8 inch color LCD, 12 waveforms synchronously display
- QWERTY keyboard design, multi-function shortcut key, easy for operation

Data saving

- Support saving internal data
- Support saving High-capacity data into built-in 2G SD card
- Support saving data into U dish
- Support transferring data
- Support reviewing data
- Support reanalyzing data

Improved Performance

- Adapt Innovative digital filters for better performance
- Adapt fast-speed baseline correction algorithm, rapidly stabilize baseline
- Adapt 24-bit high-resolution data sampling
- Adapt 1000Hz high- frequency data sampling
- Initially adapt 24-bit high-accuracy data saving, ensure the accuracy of follow-up data analysis



E70
Digital 12-channel ECG Machine

Size and Weight:

- Size: 400mm×330mm×100mm (W×H×D) (E80)
- 400mm×330mm×146mm (W×H×D) (E70)
- Weight: ≤7Kgs (E80) ≤6Kgs (E70)

Display:

- Type: 12.1" /8" Color TFT LCD (E80/E70)
- Resolution: 800*600 pixels

Power Supply:

- Input voltage:AC:100V~240V, 50Hz/60Hz
- Input power:60VA
- Standard:Comply with IEC 60601-1 & IEC 60601-1-2

Battery

- Type:11.1V 4Ah/2Ah rechargeable lithium battery (E80/E70)
- Operating time:Used continuously for 3/1.5 hours, print 400/200 shares of cardiogram. (E80/E70)
- Indication of battery capability:With

Input/Output Specification

- Keyboard:Standard PC104 (position)
- Touch screen:Option
- Network connector:1 × RJ-45 socket
- USB connector:2 × USB Host (support hot-swap)
- SD card:1 × Standard SD card socket

Data Storage

- Fixed Memory:100 groups of ECG data
- Optional Memory:SD card or U disk
- Storage mode:Background storage automatically
- Storage format:xml

Recorder

- Recording way:Thermal dot array
- Horizontal resolution:40 dots/mm
- Vertical resolution:8 dots/mm
- Recording speed:5 mm/s、 6.25 mm/s、 10 mm/s、 12.5 mm/s、 25 mm/s、 50 mm/s, error: ±3%.
- Recording linearity:≤0.5mm/30M
- Paper length:295mm/280mm
- Paper width:210mm/216mm
- Paper type:Folded thermo sensitive printing paper
- Reel thermo sensitive printing paper
- Recording precision:±5% (X axes) , ±5% (Y axes)
- Recording type:more than 10 kind of printing methods. (3×4、 3×4+1R、 3×4+3R、 6×2、 6×2+1R、 12×1、 Manual 3 path, Manual 6path, manual 12path, single-lead rhythm, three-leads rhythm and so on) .

Measure and Diagnosis of ECG Waveform

- HR range:30bpm -350bpm
- HR precision:±1bpm (10s average)
- Coefficient error:≤5%, 0.333
- Measure info of ECG waveform:P time limit, PR interphase, QRS time limit, QT interphase, QTC interphase, RR interphase, Rv5swing, SV1swing, RV6swing, SV2swing, RV5+SV1swing, P axis, QRS axis ,
- Taxis.Diagnosis analyze:≥140 kinds

Display of ECG Collection

- Signal input:12-Lead, defibrillator-proof, Pacemaker pulse rejection
- Degree of protection against electric shock: 4000V, Type CF applied part
- Polarization voltage resistance:≥ ±500mV
- Response to frequency:0.05Hz-150Hz (-3dB)
- Baseline filter:0.05Hz、 0.15Hz、 0.25Hz、 0.5Hz
- ECG filter:25Hz、 35Hz、 45Hz
- Lowpass filter:75Hz、 100Hz、 150Hz
- Gain selection:2.5、 5、 10、 20、 10/5、 AGC (mm/mV)
- Gain accuracy:±5%
- Time base selection:5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s
- Input impedance:≥50MΩ
- Current of input loop:≤50 nA
- Patient leakage current:≤10μA
- CMRR: ≥109 dB (with AC filter)
- Time for response to wave displaying:≤5s
- Time for baseline recovered after switching leads:≤1s
- Defibrillator-proof:5000V 360J
- Recovering time for defibrillator-proof ≤5 s
- Recovering time for defibrillator electrode polarization ≤10 s
- Energy reduced ≤10%
- Voltage transfer ≤1V
- Standard complied with:IEC 60601-2-51

Environmental Specifications

- Operating
- Temperature:(5~40)℃
- Relative humidity:25%~93% (non condensing)
- Atmospheric Pressure:(700~1060) hPa

Transportation and Storage

- Temperature:(-20~+55)℃
- Relative humidity:25%~95% (non condensing)
- Atmospheric Pressure:(500~1060) hPa



*Specifications subject to change without prior notice