

## TECHNICAL SPECIFICATION:

E65

### Specification:

- Size: 360mm(L) X 276mm(W) X 130mm(H)
- Net Weight: 4.2Kg
- Display: 8" TFT LCD
- Resolution: 800 \* 480
- AC power: 100V~240V; 50Hz/60 Hz
- DC power: 11.1V, 4.4Ah rechargeable lithium battery
- Operating time: Used continuously for 5 hours (print 500 shares of cardiogram)

### Safety:

- Product safety type: Group I Class A, Type CF, (There is defibrillation and pacing protection circuit.)
- Isolation voltage: 4000V
- Enduring polarization voltage:  $\geq \pm 600\text{mV}$

### Environment Specification:

- Operation
- Environment temperature:  $+5^{\circ}\text{C} \sim +40^{\circ}\text{C}$
- Relative humidity: 25% ~ 95% (non condensing)
- Atmospheric pressure: 700hPa ~ 1060hPa
- Store and Transportation
- Environment temperature:  $-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$
- Relative humidity: 25% ~ 95% (non condensing)
- Atmospheric pressure: 500hPa ~ 1060hPa

### Heart Rate:

- HR measurement range: 30~300bpm
- Accuracy:  $\pm 1\text{bpm}$  (average time: 10s)

### Storage:

- Internal Memory: 800 groups ECG data
- External Memory: SD card or U disk
- Data format: PDF and DAT, Dicom (optional) 、FDA-XML (optional)

### Technical:

- Lead: Standard 12 leads,
- Signal input: Defibrillator-proof, Pacemaker pulse rejection
- Patient leak current:  $\leq 10\mu\text{A}$
- Input impedance:  $\geq 50\text{M}\Omega$
- Frequency response: 0.05Hz-200Hz (-3dB)
- Time constant:  $> 3.2\text{s}$
- CMRR:  $\geq 110\text{dB}$
- System Noise:  $\leq 12.5\mu\text{Vp-p}$

### Record:

- Record:
- Recording way: Thermal printing system
- Recording paper: 210mm×140mm×20m (Z type)
- Resolution: 8 dots/mm
- Paper speed: 5 mm/s, 6.25 mm/s, 10 mm/s, 12.5 mm/s, 25 mm/s, 50 mm/s, error:  $\pm 3\%$ .
- Recording precision: 0.125mm
- Record format: Auto: 3×4, 3×4+1R, 3×4+3R, 6×2, 6×2+1R, 12×1, 12X1\_V6  
Manual: 3 path, 6path, 12path, Rhythm: Single lead, Three lead  
R-R: R-R

**BLT BIOLIGHT**  
Http: //www.bl.com.cn



# Digital Portable Electrocardiograph



The brochure may be revised or replaced by BIOLIGHT at any time without notice.

## BIOLIGHT CO.,LTD.

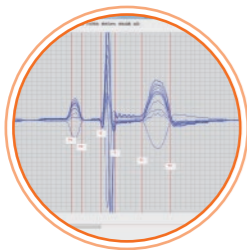
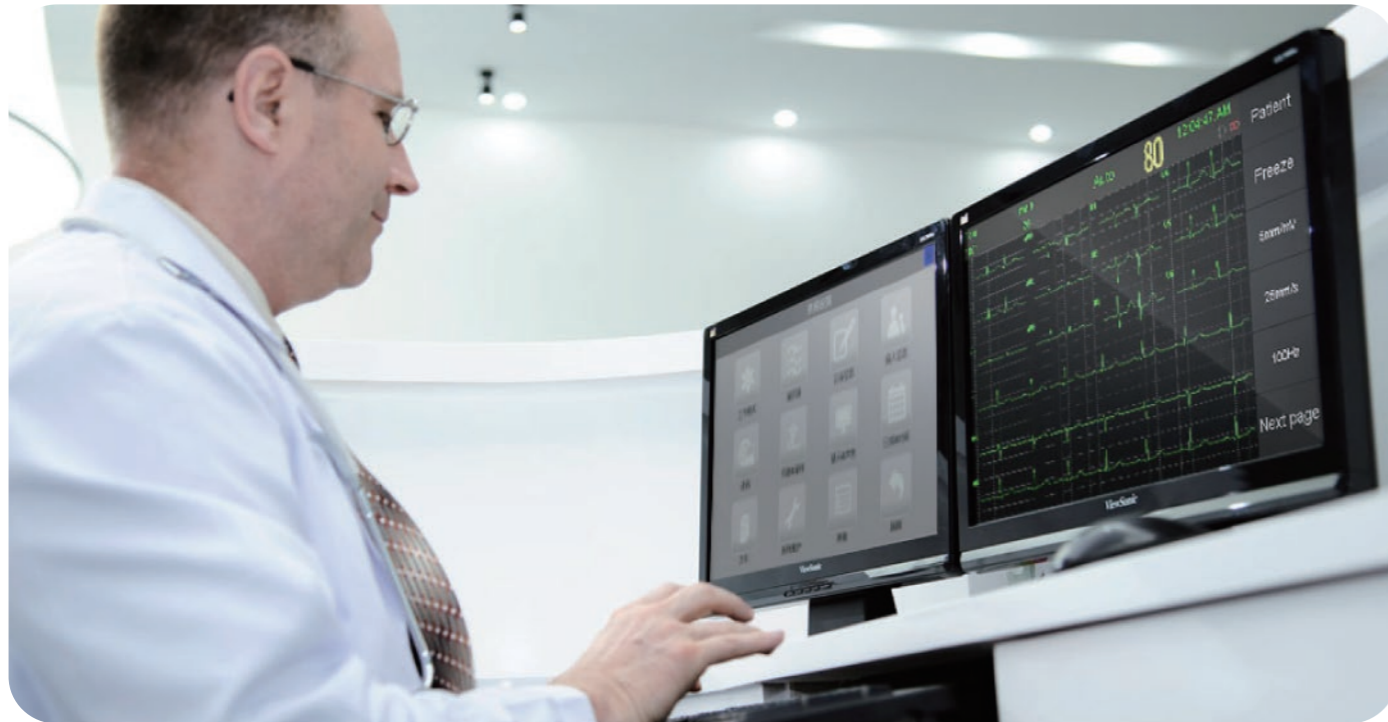
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# E65

# Distinguished ECG Provider

# Intelligent ECG Data Management



### ◆ Accurate

BIOLIGHT innovative ECG analysis algorithm deliver a high level of clinical accuracy, validity and performance



### ◆ Humanized

Automatic Position, with external USB printer, support extended printing  
Two selections for recording: Fast and Paper-saving



### ◆ Convenient

Full color touch screen & Alphanumeric keyboard  
Concealed and portable handle, convenient carrying  
Multi-format reports export: DAT, PDF, Dicom (optional), FDA-XML(optional)



### ◆ Two selection ECG electrodes

Chest Suction Electrode + Limb clamp / Disposable electrode pads



### ◆ Rapid Measurement

Support barcode scanner  
Rapid automatic measurements and interpretation



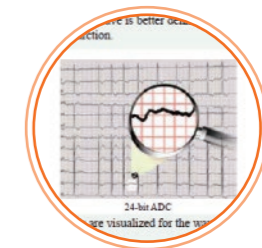
### ◆ Powerful Analysis Database

140 kinds of diagnosis analysis reports



### ◆ Multiple Storage & Communication Options

Mass storage : Internal flash + SD card + U disk  
LAN/Wi-Fi(optional) connections



### ◆ Anti-interference

Digital filter design ensure powerful anti-disturbance performance  
High stability of baseline: stabilize baseline in 1-3 seconds

BIOLIGHT ECG Series: E30/E70/E80/E65, with powerful ECG Management System, captures and stores every heartbeat of patient, and then provides a computerized ECG analysis using BIOLIGHT innovative ECG analysis algorithm, providing clinicians with the diagnostic confidence to make fast and reliable cardiac care decisions.