

# BIOLIGHT

Precision work guards health, great virtue carries life



 **BLT<sup>®</sup> BIOLIGHT CO., LTD.**

BLT-1801-1

 **BLT<sup>®</sup> BIOLIGHT**

# BIOLIGHT



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Founded in 1993, BIOLIGHT is an internationally established leading provider in medical devices, medical consumables and healthcare solutions. 2004 BIOLIGHT became China's only National Patient Monitoring Industry Base involved in facilitation, education, regulation of patient monitoring medical devices on an industry level at a national scale. BIOLIGHT successfully executed an initial public offering (IPO) in July 2011 and trading in the SHENZHEN STOCK EXCHANGE (stock code: BLT 300246).

BIOLIGHT, with headquarter in Zhuhai China, has a firm global RND, Marketing, Sales and Service presents. BIOLIGHT has established 8 researches and manufacturing plants, 12 subsidiaries, and oversea sales branches covering sales and services in Asia, Africa, Europe, North America, and Latin America expanding over 135 countries and counting.

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## General Ward monitoring solutions



10.4 inches

M8000A

Multi-Parameter Patient Monitor



15 inches

M9500

Multi-Parameter Patient Monitor



12.1 inches

M9000A

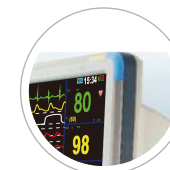
Multi-Parameter Patient Monitor



Backlight key



Thermo-printer



Dual three-level alarm lights



Multiple extension interface

### Brief Introduction to performance:

- ◆ Vital signs monitor suitable for patients of all ages: adults, children and neonates
- ◆ Measurement Parameters: ECG, NIBP, SPO2, RESP, PR, TEMP etc.
- ◆ 7-lead ECG waveforms displayed on the same screen
- ◆ Portable design plug-in rechargeable battery for continuous monitoring
- ◆ Support external display and simultaneous double screen
- ◆ Support wired/wireless networking, widely used in central monitoring system



## Q5 Portable Modular Patient Monitor

- ◆ 12.1"color TFT LCD display with touch screen
- ◆ 2-IBP as standard configuration for continuous accurate monitoring
- ◆ 2 extension slots for easy upgrading
- ◆ Flexible combination of high-end parameters modules
- ◆ Optional SD card with powerful data and waveform storage function



Touch screen



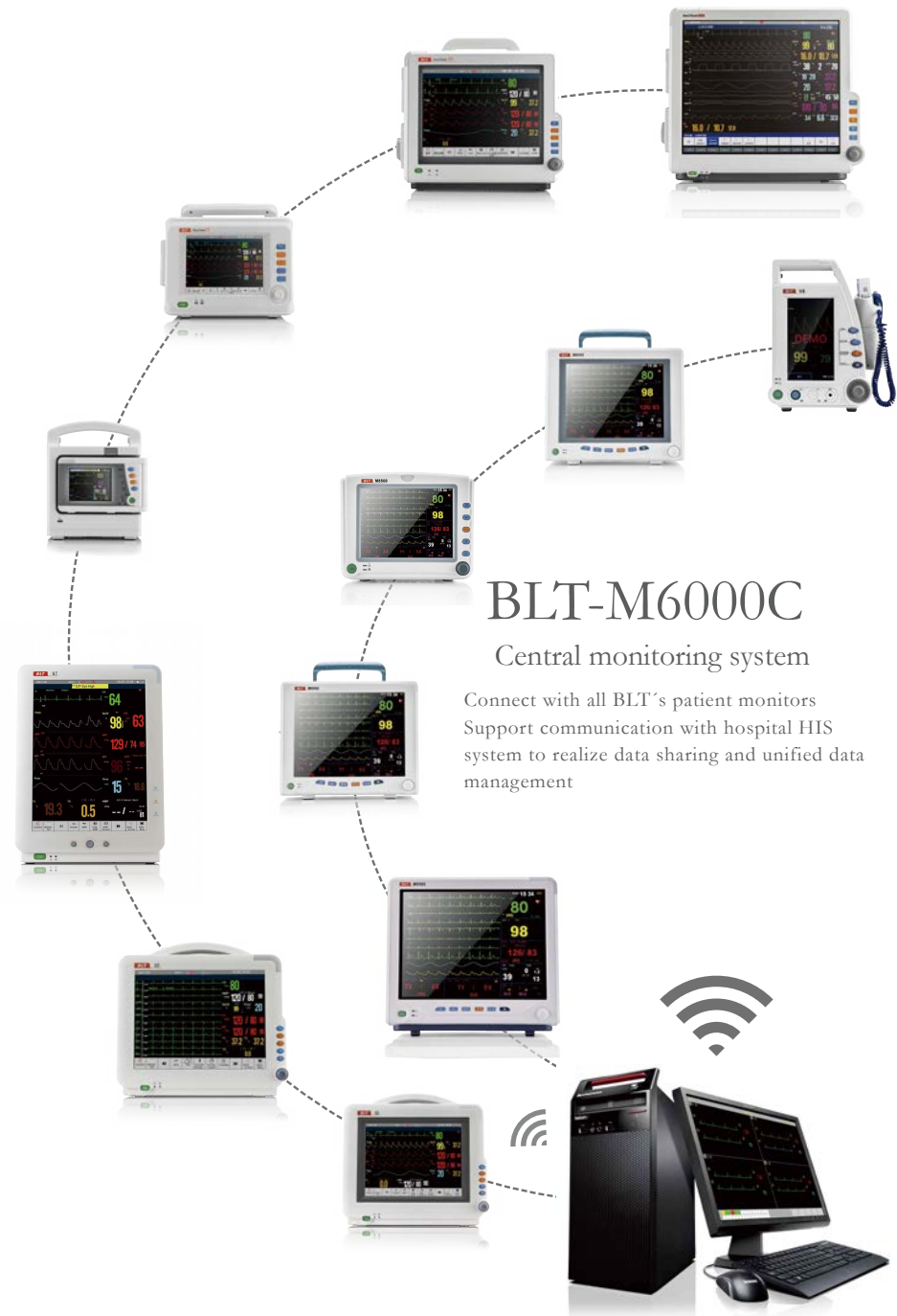
Light and portable



Plug-in structure



Parameters integration



## BLT-M6000C

### Central monitoring system

Connect with all BLT's patient monitors  
Support communication with hospital HIS system to realize data sharing and unified data management

BLT Central Monitoring system (optional double screen)

## Emergency and critical solutions

Modular Patient Monitor with EMS/MPS

### A2 Modular patient monitor

- ◆ EMS is compatible with all models of Anyview modular patient monitors to realize continuous monitoring
- ◆ Portable design with 12V DC input for ambulance use.
- ◆ A2 Modular patient monitor is combined by multi-parameter monitoring module EMS and charging stand
- ◆ Touch screen with gravity sensor, multi-channel waveforms with arbitrary angle observation
- ◆ Fanless design with low power consumption, dustless and noiseless



### A3 Modular patient monitor

- ◆ 8" color TFT LCD, multi-channel waveform display, optional touch screen
- ◆ Integrated modular patient monitor with plug-in-play function modules
- ◆ Extension slots for easy upgrading and flexible combination of high-end parameter modules
- ◆ Fanless design with low power consumption, dustless and noiseless
- ◆ Optional 4G LTE/3G Modules Enable Real-time Tele-Monitor for Ambulance Telemedicine.



Light and portable, best choice for ambulance use



Operation room



Patient transport



Inpatient ward



## Continuous care for blood purification by absorption



**DTB-100 hemoperfusion machine (single pump)**

- ◆ AC/DC smart switch, workable at ambulance
- ◆ Automatically and precisely inject anticoagulation solution
- ◆ Double monitor by ultrasound and infrared
- ◆ Automatic electricity cut alarm, at least 30Min blood pump running after electricity cut
- ◆ Multiple acoustic-optic and text alarm prompt
- ◆ Constant temperature heating plate, temperature adjustable



**DTB-100A hemoperfusion machine (double pump)**

- ◆ Small space occupation, light weight, easy to move, preferred equipment for hemoperfusion, immune absorption, plasma separation, liver ascites back transfusion and ISO ultrafiltration.

## High-end modular patient monitor for intensive care



**A5 modular patient monitor**

- ◆ 12" color TFT LCD, multi-channel waveform display
- ◆ Global leading multi-parameter module EMS with display for seamless monitoring during patient transportation
- ◆ 4 extension slots, flexible combination of modules, support more than 20 parameters monitoring
- ◆ Knob key operation, optional touch screen, easy operation, support mouse and keyboard
- ◆ Fanless design with low power consumption, dustless and noiseless, it helps to improve the service life of the equipment



Dual three-level alarm lights



Backlight key



Multiple extension interface



SD card(option)



Lithium battery



**Q7 Modular patient monitor**

- ◆ 15" high resolution color TFT LCD display with touch screen
- ◆ Suntech NIBP (Optional) for precise NIBP measurement
- ◆ Global Gold Standard Masimo SPO2 (Optional) focuses on SPO2 measurement under low perfusion
- ◆ 3 extension slots, easy upgrading
- ◆ Flexible combination of high-end parameter modules, resource sharing
- ◆ Fanless design meets the requirements of no dust and noise in the operation room



360° three-level acoustic-optic alarm light



Modular design



Multiple extension interface



Short-cut keys on the side panel



Fanless design

## Neonatal monitoring solutions



### Neonatal Transport Patient Monitor M8500

- ◆ 8.4" high resolution color TFT LCD, multi-channel waveform display
- ◆ Suntech NIBP, anti-movement, close to the accuracy of IBP
- ◆ Masimo SPO2, anti-motion & anti weak perfusion.
- ◆ With Pitch Tone and Nurse Call functions
- ◆ OxyCRG for monitoring Oxygenation function of newborns
- ◆ Backlight keys with soft light, convenient for operation
- ◆ Portable design with 12V DC input, suitable for ambulance use

From Neonatal General Ward to NICU, Neonatal Patient monitor closely accompanies to guard the health of newborns, and helps to screen cyanotic congenital heart disease (CCHD) of newborns.





### Q3 Neonatal Modular Patient Monitor

- ◆ 10.4"high resolution color TFT LCD display with touch screen
- ◆ Suntech NIBP, anti-movement, close to the accuracy of IBP
- ◆ Masimo SPO2, anti-motion & anti weak perfusion, focuses on measurement of severe shock patients
- ◆ Optional SD card with powerful data and waveform storage function
- ◆ 2 extension slots, flexible combination of high-end parameter modules, resource sharing



### M800 Neonatal Ward Inspection Patient Monitor

- ◆ 2.4"TFT LCD display with gravity sensor
- ◆ Light weight, easy for hand holding
- ◆ Optional battery charger stand & AC-DC adapter
- ◆ Suitable for screening cyanotic congenital heart disease of neonates (CCHD)
- ◆ Measurement parameters: SPO2, PR, ECG (option)



Large character display mode



SPO2 waveform display mode



ECG waveform display mode (option)

## Surgical Anesthetic Monitoring Solutions



### Q7 Surgical Modular Patient Monitor

- ◆ 15" high resolution color TFT LCD display with touch screen
- ◆ Multiple extension interface, powerful function
- ◆ 2-IBP as standard configuration for continuous accurate monitoring
- ◆ Suntech NIBP (Optional) for precise NIBP measurement
- ◆ Global Gold Standard Masimo SPO2 (Optional) focuses on SPO2 measurement under low perfusion
- ◆ 3 extension slots, easy upgrading
- ◆ Flexible combination of high-end parameter modules, resource sharing
- ◆ Fanless design meets the requirements of no dust and no noise in the operation room



360° three-level  
acoustic-optic  
alarm light



Modular design



Multiple extension  
interface



A8

## Surgical Modular Patient Monitor

- ◆ 17" color TFT LCD display with touch screen
- ◆ Global leading multi-parameter module EMS with display
- ◆ Independent physiological and technical alarm lights, information indication more timely
- ◆ External SD card for storage of historic patient data
- ◆ Short trend graph for observing trend characteristics of patient's physiological parameters in the surgery
- ◆ Provide multiple input methods, easy to operate during the surgery
- ◆ Seamless connection with HIS, CIS, LIS systems
- ◆ Fanless design with low power consumption, dustless and noiseless, it helps to improve the service life of the equipment
- ◆ Support external connection to independent large screen display, convenient for fast observation of monitoring data and waveform
- ◆ Flexible combination of various modules, easy to extend up to more than 10 parameters at any time
- ◆ Support upgrading: ICG, 2-IBP, ETCO2, C.O, Masimo SpO2, Nellcor SpO2, EEG, BIS, RM, Multi-Gas etc.



## Best monitoring solution for operation room



Multiple extension interface



SD card storage



Lithium battery



Touch key



Three-level acoustic-optic alarm light



Backlight key

## Clinic Solutions

### GD9000 wall-mounted Integrated diagnostic system

- ◆ 10.1" TFT LCD display with touch screen
- ◆ Measurement mode: Monitor mode, Spot check mode, Triage mode
- ◆ Integrated otoscope, ophthalmoscope, tongue depressor, ECG, PR, RESP, NIBP, SPO2, fast TEMP measurement
- ◆ Can be upgraded with blood glucose test
- ◆ Exchange data through internet interface and USB interface
- ◆ Support upgrading to General medicine workstation to match General medicine terminal equipment in order to realize creation, storage, management and printing of patient data



### General Diagnostic Data Management Software

General diagnostic data management system can receive data & waveform from GD9000 via internet. Clinical staff can create patient information, conduct general examination, save medical records and print medical records to realize clinical data management.



The medical records can be searched easily and saved properly, it can be reviewed and printed to realize data information management.

It is more complete, prompt, convenient to create patient information via general diagnostic system.

General diagnostic examination data is displayed in real-time to help the doctors understand the patient's condition and make an accurate & quick diagnosis.

Print review of diagnosis report, simplify medical record program and reduce the burden of doctor's work.



**V6 Vital Signs Monitor**

- ◆ 7"high-performance color TFT LCD display, optional touch screen
- ◆ Suitable for vital signs monitoring of all ages in adults, children and neonates
- ◆ Monitoring of SPO2, PR, NIBP, optional fast thermometer and ETCO2
- ◆ Built-in pluggable lithium battery with long time power supply meets the demands of home visit and ambulance use
- ◆ Optional built-in 2-channel thermo printer, waveforms on each channel to be printed can be selected arbitrarily.
- ◆ 2 working modes: clinic mode and monitor mode, rapid physical examination of multiple patients and continuous monitoring of single patient.



Community medical care



Hospital outpatient department



Physical examination



Emergency system



Carrying bag



Protect silicone jacket



**M800 Mobile Patient Monitor**

- ◆ 2.4"TFT LCD display with gravity sensor
- ◆ Light weight, convenient for hand holding
- ◆ Measurement parameters: SPO2, PR, ECG(option)
- ◆ Optional Battery charger stand & AC-DC adapter

## ECG management solutions



### E30 Digital Portable Electrocardiograph

- ◆ 4.3" color TFT LCD display with touch screen
- ◆ Support data internal storage and U disk storage
- ◆ 80mm roll paper recorder
- ◆ Innovative digital filter with better performance
- ◆ Innovative high-speed baseline correction algorithm, stabilize the baseline quickly
- ◆ High-precision digital storage, ensure accuracy of subsequent data analysis
- ◆ High-resolution and high-frequency data sampling, ensure the accuracy of the sampling waveform



### E65 12-channel Digital Electrocardiograph

- ◆ 8" color TFT LCD display with touch screen
- ◆ Innovative high-speed baseline correction algorithm, stabilize the baseline quickly
- ◆ 24 bit high-resolution and high-speed data sampling, ensure the accuracy of the sampling waveform
- ◆ 12-lead synchronous analysis, support report preview and report format adjustment
- ◆ Support Z-fold paper printing function
- ◆ Support data catalog management by date to help user search information easily
- ◆ Support data transfer, review, reanalysis, with SD card, U disk storage function
- ◆ Communicate with ECG data management software E6000 to facilitate the hospital information management



## E70 12-channel Digital Electrocardiograph

- ◆ 8"color TFT LCD display with touch screen
- ◆ Support roll paper and Z-fold paper printing function
- ◆ Support data catalog management by date to help user search Information easily
- ◆ 12-lead synchronous analysis, support report preview and report format adjustment
- ◆ Innovative high-speed baseline correction algorithm, stabilize the baseline quickly
- ◆ Support data transfer, review, reanalysis, with SD card, U disk storage function
- ◆ 24 bit high-resolution and high-speed data sampling, ensure the accuracy of the sampling waveform



SD card transfer improves storage capacity and facilitates connection with PC analysis software



Independent keycap for more accurate click and more comfortable touch

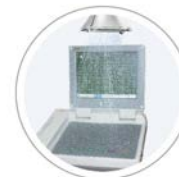


Realize printing output of no less than 10 minutes



## E80 12-channel Digital Electrocardiograph

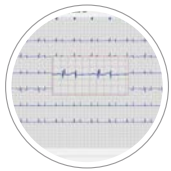
- ◆ 12.1"color TFT LCD display with overturning & folding design, touch screen, easy to operate
- ◆ Waterproof design
- ◆ Innovative high-speed baseline correction algorithm, stabilize the baseline quickly
- ◆ 12-lead synchronous analysis, support report preview and report format adjustment
- ◆ Support roll paper and Z-fold paper printing function
- ◆ Support data catalog management by date to help user search information easily
- ◆ 24 bit high-resolution and high-speed data sampling, ensure the accuracy of the sampling waveform
- ◆ Support upgrading to exercise plate electrocardiogram examination function
- ◆ Support data transfer, review, reanalysis, with SD card, U disk storage function



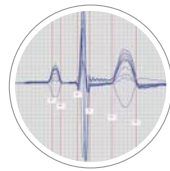
Waterproof design achieves IPX1 waterproof standard

## E6000 ECG Workstation

- ◆ With medical records management and cases analysis functions
- ◆ Max 16 units ECG centralized management
- ◆ Support 12-lead waveform display, analysis and statistics function
- ◆ Provide high-accuracy electronic ruler, support adjustment of measurement points
- ◆ With 12-lead electrocardiogram superposition analysis and complex wave function
- ◆ 2 modes of electrocardiogram diagnosis: automatic analysis mode and reanalysis mode
- ◆ Communicate with electrocardiograph via wired network or WIFI
- ◆ Interconnect electrocardiographs of different brands and share electrocardiogram data in standard format
- ◆ Support various models of printers to export electrocardiogram reports in PDF/JPEG/XML format



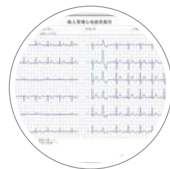
Dispersion and magnifier function



Professional ECG measurement diagnostic function, provide valuable assistance to doctors

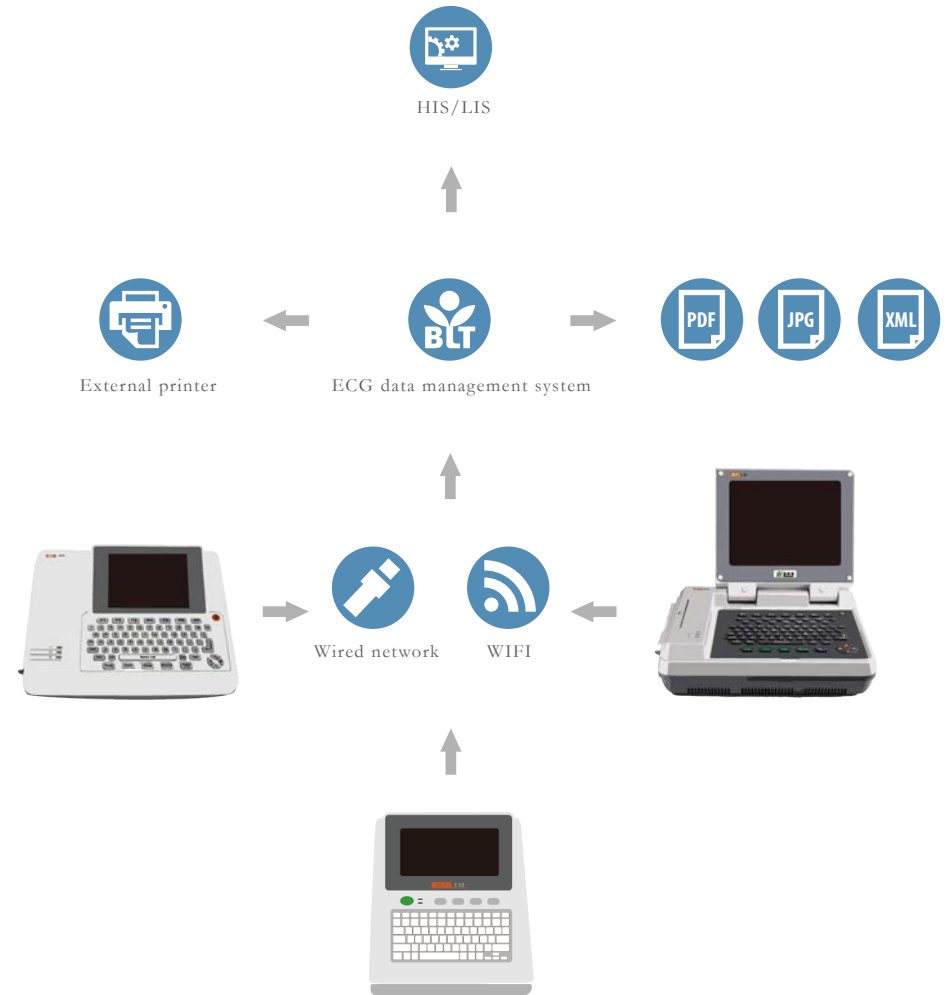


All digital filter design, anti baseline drift, anti AC and EMG, improve recording quality



Report preview, environment-friendly, data report uploaded to ECG management system, realize full digitization of electrocardiogram

## ECG data management system Intelligent analysis



BLT's E65/E70/E80 multi-channel ECGs combine perfectly with ECG data management system, devote to provide ECG management solutions, protect each beat of life, realize informational ECG management, light the medical staff's workload, reduce hospital department cost.



## Obstetrics Monitoring Solutions



### WF100 Ultrasonic Doppler

- ◆ High sensitivity probe, more stable fetal heart sound
- ◆ Large display, better view
- ◆ Medical-grade safety, accurate measurement
- ◆ Support connection with smart APP via Bluetooth for data storage
- ◆ Built-in speaker and interface of earphone design, can hear the unborn child's heartbeat more clearly.
- ◆ Battery with full charge can be used for 6 hours



### F80/F90 Fetal/Maternal monitor

- ◆ 12.1"high resolution digital TFT LCD display
- ◆ With CTG review, playback and fast printing functions
- ◆ Maternal and fetal care at the same time
- ◆ Use multi chip waterproof probe, capture the fetal cardiac signal more accurately
- ◆ Support timing printing and section printing functions, select time segment freely
- ◆ Optional Twin monitoring function, accurate FHR detecting
- ◆ Free combination via F6000 obstetric central monitoring system to realize hospital information management

F80 measurement parameters: FHR, FM, TOCO

F90 measurement parameters: FHR, FM, TOCO, NIBP, SPO2, PR, ECG, TEMP, RESP



### F30/F50 Fetal/Maternal monitor

- ◆ 7"high resolution digital TFT LCD display
- ◆ With CTG review, playback and fast printing functions
- ◆ High sensitive TOCO probe monitors the mother's uterine contraction in real-time
- ◆ Use multi chip waterproof probe, capture the fetal cardiac signal more accurately
- ◆ Support timing printing and section printing functions, select time segment freely
- ◆ Optional FISHCHER scoring module helps to understand fetal health condition more intuitively
- ◆ Optional Twin monitoring function, accurate FHR detecting
- ◆ Free combination via F6000 obstetric central monitoring system to realize hospital information management

F30 measurement parameters: FHR, FM, TOCO

F50 measurement parameters: FHR, FM, TOCO, NIBP, SPO2, PR,



### F6000 obstetric central monitoring system F6000

- ◆ Support CTG reviewing, scoring and printing function
- ◆ Support output printing format of multiple brands of printers
- ◆ High capacity data storage, support data import and export
- ◆ Real-time observation of abnormal ECG, single bed observation of 7-leads ECG waveforms
- ◆ Central Monitoring System can remotely control bedside monitor to measure NIBP and support bidirectional transmission of data
- ◆ Easy operation with mouse and keyboard
- ◆ Communicate with BLT's all fetal & maternal monitors via wired/wireless network
- ◆ With automatic bed adjustment function, priority display of on-line bed, screen window can be arranged automatically according to actual condition

Disclaimer: the content in the catalogue is subject to the amendment without notification.