Mindray

BeneHeart R700
Electrocardiograph

Streamlined Heartbeat Insights at Your Fingertips

mindray
healthcare within reach

Intelligent Guidance for Reliable Results

Designed with busy healthcare professionals in mind, Mindray BeneHeart R700 helps simplify ECG exams for staff across all departments and skill levels. Whether you're in the busy emergency department or a quiet ward, this smart ECG machine is adaptable to many clinical settings.

R700 offers fast, efficient 12-lead exams with a user-friendly interface, even for users who need to exam the right chest and posterior wall. It combines advanced technology into a compact, familiar design, improving accuracy for more reliable results; streamlining your ECG process to improve patient care.

Visual Electrode Status Indicator

- Provide a visual guide for electrodes placement
- Detect the signal quality of electrodes, indicating any issues with red or yellow marks
- Automatically start ECG acquisition when the signal is good and stable. User does not have to press the button to trigger the measurement

Additional Leads Guidance

When you need a right chest or posterior wall examination, R700 can provide guidance on adding more leads (V3R/V4R/V5R/V7/V8/V9) to help you complete the examination in order. Automatically modify the names of the added leads on the screen and in the report without manual modification.

Optimal visibility
12.1" display with 1280 x 800, higher detail resolution

Reduce delays
Prevents paper jams with patented paper outlet design

Smooth operation
Quick zoom with a two-finger swipe on the full touch screen

Quiet operation
Near-silent operation for less disturbance

High clarity
Fully laminated display with reduced glare for improved visibility from various angles

Built to last
Clear and uncompressed recordings even after 100,000m of printing

Faster Diagnosis with Intelligent Decision Support Tools

R700 helps to rapidly identify arrhythmias and acute chest pain. Intelligent clinical assistant tools can capture abnormalities at a glance and provide timely and accurate decision-making support for medical staff. Simplify the process, improve efficiency and see the detail in every heartbeat.

Pacing Marker Channel

R700 can automatically detect the pacing signal and prompt whether the patient is wearing a pacemaker. Pacemaker signal will be marked in a separate channel for a clearer observation.

Abnormal Heart Beat Capture

Abnormal waveforms will be marked in red if patient has PVC. You can freeze the waveform for easy review up to 30 minutes without missing any abnormal heartbeats.
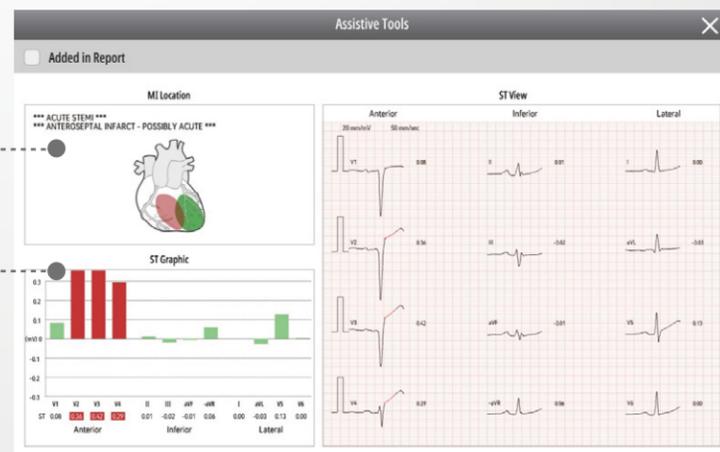

ST Analysis Tools

R700 helps medical staff to promptly detect myocardial ischemia and myocardial infarction, ensuring patients can receive timely treatment.

Graphical indication of the location of MI

ST measurements and changes are given in bar chart, making it easier to read

Accurate and Reliable Analysis

University of Glasgow | mindray

R700 supports both the University of Glasgow 12-lead ECG analysis program and Mindray 12- lead resting ECG analysis algorithm for adults and paediatrics, both of which provide accurate and reliable analysis references to give you more confidence in diagnosis.

The Glasgow algorithm is the first to be based on specific variables, including age, gender, race, medication, and class in order to maximise the accuracy of the ECG interpretation.

Mindray has accumulated and inherited more than 20 years of experience in the field of ECG analysis. It has used tens of thousands of clinical ECG data for development and iteration, passed the internationally authoritative CSE evaluation, and achieved more balanced algorithm performance (sensitivity & specificity).
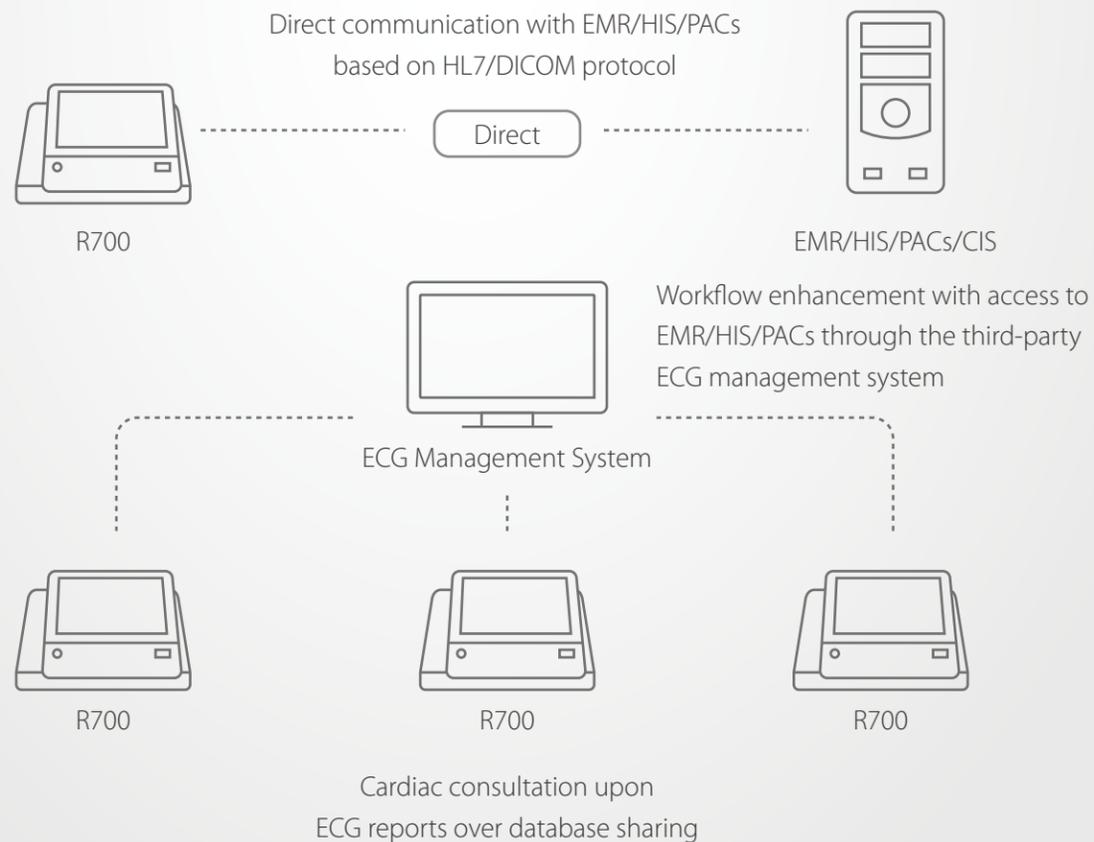
Streamlined ECG Management for Enhanced Patient Care

R700 is the smart choice for ECG data management. Whether in the clinical physiology department or in a ward, its flexible connectivity solutions ensure seamless synchronisation of ECG data to hospital electronic systems. Simplify the process and improve workflow efficiency, so clinicians can spend more time with patients and less time on paperwork.

Secure Hospital-wide Connectivity

R700 supports multiple types of data output through U-disk, wired and wireless networks. Using HL7 and DICOM, ECG data communication can be seamlessly connected to the third-party ECG management system, EMR, HIS, PACS and RIS, etc. Simplify data flow, achieve efficient integration, and make data transmission an accelerator for your work.
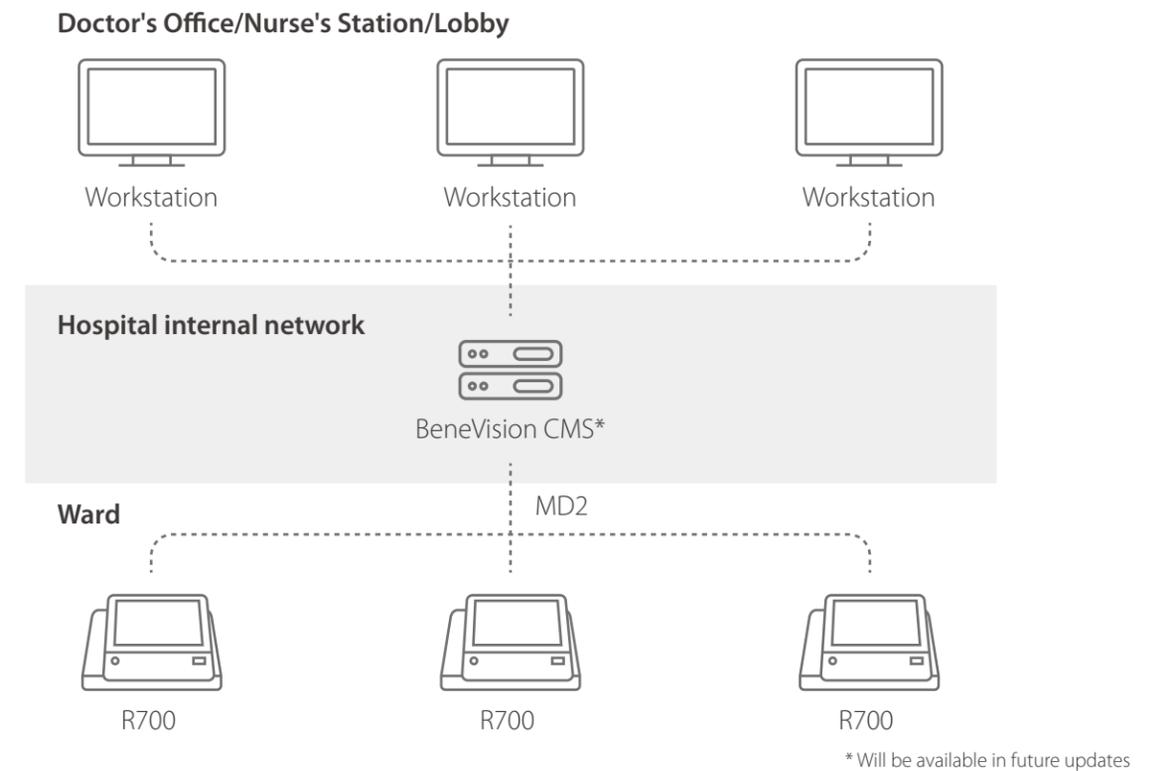
Thanks to the latest Wi-Fi 6 technology, R700 supports the latest WPA3 encryption protocol, 6G frequency band, and login authentication based on user roles to ensure information security.

Direct communication with EMR/HIS/PACs based on HL7/DICOM protocol

Direct

R700

EMR/HIS/PACs/CIS

Workflow enhancement with access to EMR/HIS/PACs through the third-party ECG management system

ECG Management System

R700

R700

R700

Cardiac consultation upon ECG reports over database sharing

Department-level ECG Management

For departments without a dedicated ECG management system, you can still experience the convenience of connected diagnosis and treatment with Mindray's M-Connect™ IT solutions.

- Integrated view of monitoring information and 12-lead reports
- Comparing two ECG reports on one screen allows to easily observe abnormal changes

Doctor's Office/Nurse's Station/Lobby

Workstation

Workstation

Workstation

Hospital internal network

BeneVision CMS*

Ward

MD2

R700

R700

R700

* Will be available in future updates

Maximise the Cost of Ownership

M-IoT Device Manager obtains comprehensive device data to help biomedical engineers ensure the safety and effectiveness of all equipment at all times.

- Real-time failure monitoring and guidance for timely maintenance, reducing equipment downtime
- Battery status monitoring to ensure patient safety by limiting interruptions
- IP/MAC address for network access control to ensure cybersecurity