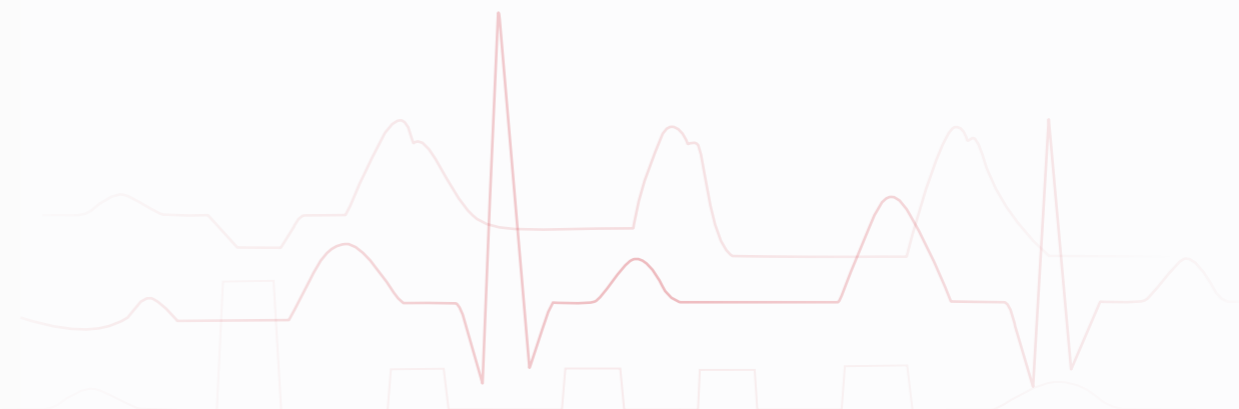


Product Catalogue

Patient Monitoring and Life Support





About us

Founded in 1991, Mindray is a leading global provider of medical devices and solutions. Firmly committed to our mission to “advance medical technologies to make healthcare more accessible,” we are dedicated to innovation in the fields of Patient Monitoring & Life Support, In-Vitro Diagnostics, Medical Imaging Systems and Orthopaedics, amongst others. Mindray possesses a sound global R&D, marketing and service network. Inspired by our clients' needs, we adopt advanced technologies and transform them into accessible innovations that bring healthcare within reach across the world. While improving the quality of care, we help reduce its cost, making it more accessible to a more significant part of humanity. Today, Mindray's products and services are serving healthcare facilities in over 190 countries and regions.



Patient Monitoring and Life Support

Patient Monitoring and Life Support product line provides comprehensive solutions for emergency care, peri-operative care, critical care and other sub-critical solutions, to address medical challenges nowadays.

The emergency care solution covers the entire care process from pre-hospital rescue, ambulance transport and ER treatment to in-hospital transfer. The peri-operative solution combines advanced surgical units, monitoring innovations and anaesthesia technologies, enabling an efficient workflow for surgeons. The critical care solution provides a set of reliable monitoring and life-support devices with seamless IT connection to the hospital's information system. The M-Connect IT solution provides a centric monitoring platform to seamlessly integrate medical devices, which optimizes workflows, enhances efficiency and eventually improves patient outcomes.

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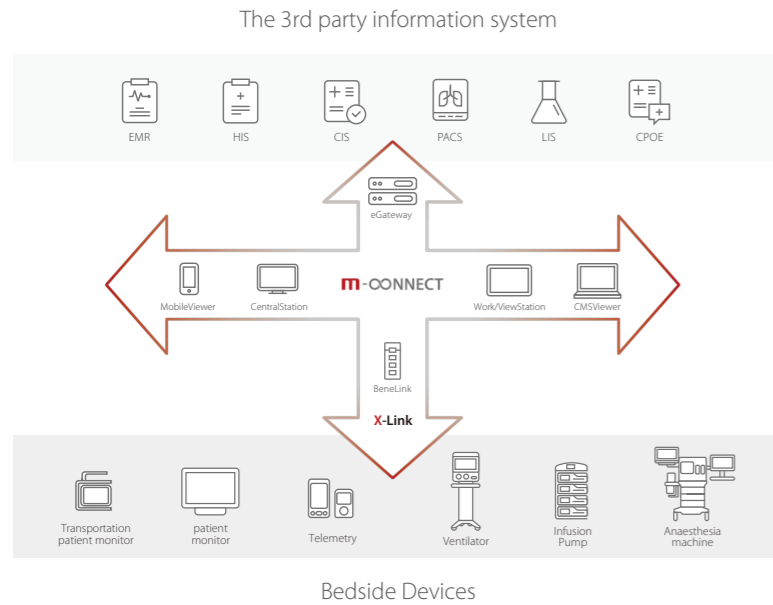
IT Solution

Connecting infinite possibilities

m-CONNECT

Hospitals today balance ever-increasing demand with a desire for greater efficiency and improved patient care. A connected workflow uses the full power of patient monitoring to offer a truly efficient system of care, allowing you to allocate staff resources where they are needed most.

The M-Connect IT Solution unlocks the potential of individual patient monitoring to create a universal central monitoring platform, offering greater visibility, streamlining workflow and improving clinical decision making. And with patient privacy assured through advanced cyber security technology, clinicians can focus on delivering accountable and reliable care.



High technology,
more efficiency



Full Connectivity

With patient-centric data collection and integration of most existing bedside devices, all data can be displayed, analyzed, stored, and sent to the 3rd-party system.



Big Data

M-Connect helps collect all device data including parameters, alarms, waveforms, reports and settings along the patient journey to support more effective research.



Artificial Intelligence

M-Connect supports clinical decision-making and improves workflows with enhanced AI tools for a complete, accurate, and intuitive summary of patient status.



Advanced Cybersecurity

M-Connect's security defense-in-depth strategy ensures safe, reliable and risk-free operation through multi-dimensional protection measures.

Emergency Care Solution

Mindray's Emergency Care Solution improves communication flow and increases work efficiency, saving valuable time and lives.

Covering the entire emergency care process from pre-hospital rescue and ambulance transportation, through to ER treatment and in-hospital transfer, Mindray's ER solution features seamless integration of defibrillators, patient monitors and various information management systems to support clinicians at all points of care and guarantee access to all patient data. The M-Connect Pre-Hospital Emergency IT solution allows the clinicians to be involved in the emergency rescue right from the beginning by sharing real-time information between the ambulance and hospital.



Perioperative Care Solution

Mindray's Perioperative Care Solution combines a broad spectrum of medical devices into one organic solution. It allows for rapid interfacing between different devices, integrating them with the hospital network and improving information management.

This one-stop-shop approach is the safe and reliable answer to challenges in the operating room, enabling hospitals to interact more efficiently with only one supplier taking care of installation, training and after-sales service.

Our peri-operative solution consists of Operating Table, Surgical Light, Pendant, Infusion Pump, and Endoscope Camera System. Mindray's innovation and technology are within your reach in every step you take in the peri-operative period, allowing you to operate more efficiently and provide better patient safety.



Critical Care Solution

Leveraging the powerful M-Connect IT platform, Mindray's critical care solution features patient-centered integration of comprehensive and multi-modal clinical data from all bedside equipment, including patient monitors, ventilators, infusion pumps, ultrasound, etc., driving improvements in care quality, work efficiency and patient outcomes.

By providing immediate access and intelligent analysis of patient data, Mindray's solution can enable unparalleled patient visibility and interoperability through the interconnected network of bedside equipment and distributed monitoring devices, to help inform timely and accurate clinical decisions and ensure greater precision and continuity of the treatment.

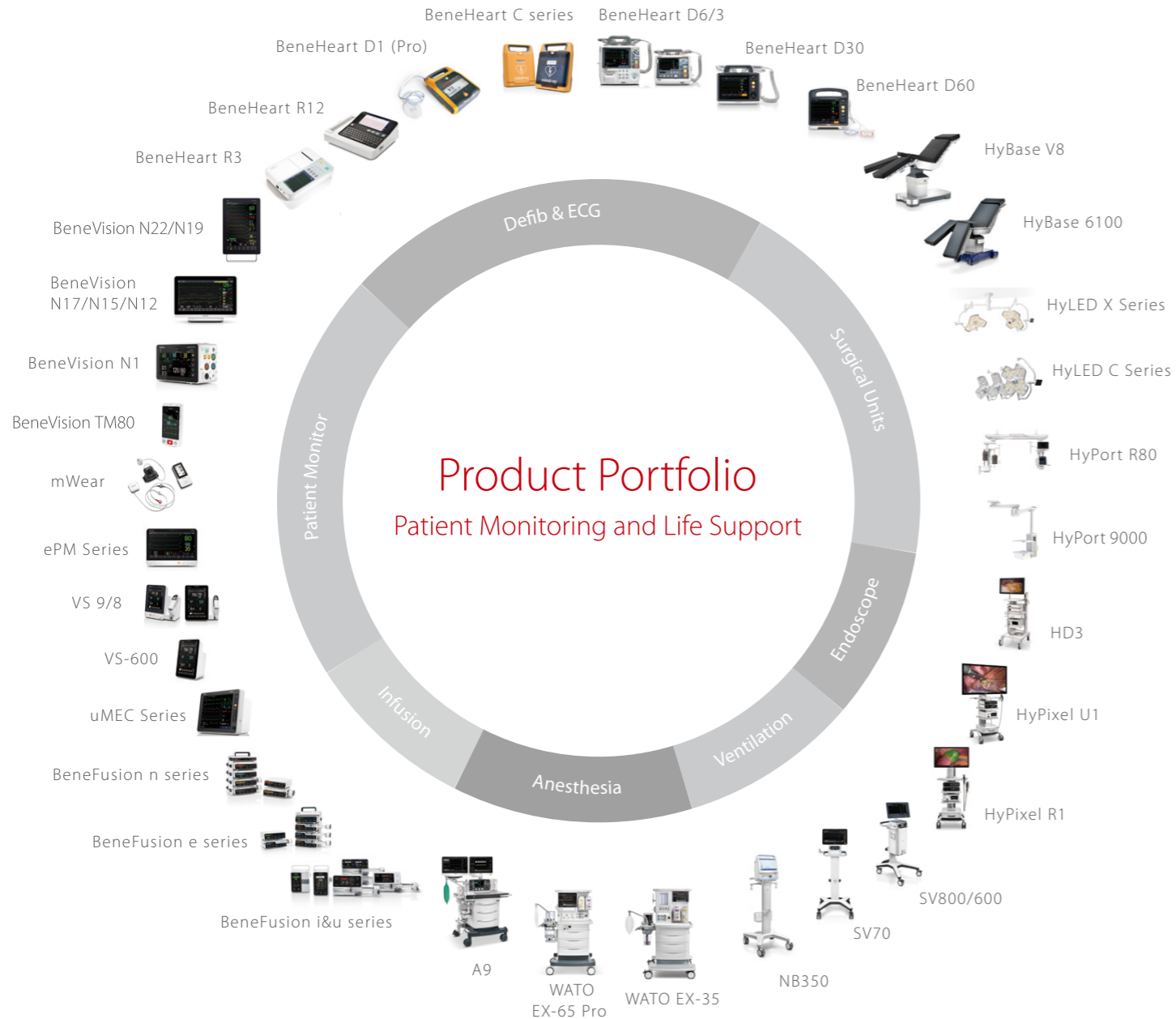


General Wards Solution

Mindray's general wards solution is designed to unlock more potential of delivering patient-centric care to different patient groups, departments, or clinical scenarios, featuring a high accuracy of vital signs measurement, an extraordinary workflow efficiency in its clinical application, and the advanced connectivity for centralized management. Centering on the concept of "ease-of-use", the ePM, uMEC, VS series monitoring solutions and a full range of life-support equipment empower clinicians to deliver high quality care to each and every patient.

The latest mWear wearable patient monitoring system innovatively brings together medical-grade wireless multi-parameter measurement technologies to refine continuous patient monitoring, ensuring the early patient deterioration detection and intervention for not only in-hospital patients, but also those at home hospital settings.





BeneVision™ N Series Patient Monitoring Solution

See more. With ease.



Mindray believes the best way to predict the future is to create it. The revolutionary BeneVision N Series is designed to optimize user experience by satisfying all your clinical demands. With visionary-stimulating design, benchmarking ease of use, confidence-maximizing innovations and workflow-transforming interoperability, BeneVision is creating tomorrow's monitoring perspective today.

BeneVision™ N1 Patient Monitor

Connecting the vision

Designed for the varying demands of both intra and out-of-hospital patient transport, BeneVision N1 provides a steadfast and versatile solution that integrates seamlessly into the BeneVision Patient Monitoring Solution with maximum mobility, patient-centric data continuity and streamlined workflow.



Robust transport genius
High reliability for both intra and out-of-hospital patient transport

Stay informed at every point of care

In compliance with out-of-hospital patient transport standards such as EN1789, EN13718-1, IEC60601-1-12 and U.S. military standards, BeneVision N1 is a competent intra- and inter-hospital transport monitor that has passed rigorous environmental, safety and EMC tests, such as IP44 grade dust/waterproof resistance and six surface 1.2m drop endurance.



One monitor, multiple solutions

BeneVision N1 transforms patient care by adapting to your patient's needs across the hospital enterprise - from plug-and-play module, to transport, to a stand alone bedside monitor - BeneVision N1 provides maximum flexibility while maintaining continuity of patient information and speeding workflow.



Full monitoring function that fits into your hand

With an unparalleled integrated design, the BeneVision N1 seamlessly blends not only the high resolution display with wide viewing angle, but up to the fully integrated CO₂ measurement as well within a palm-sized dimension. Fanless design reduces the risk of cross infection, while the new shell materials afford more durability when using hospital cleaners and disinfectants.

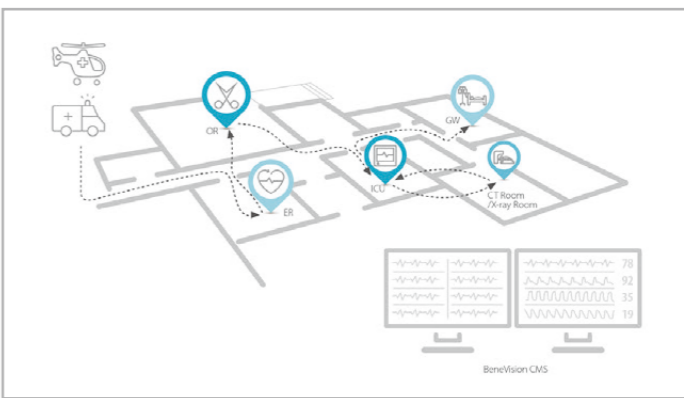


- Palm Size**
150x102x81mm
- Wide View**
Clear viewing from any angle
- HD Display**
5.5" screen with 1280x720 resolution
- Ultra Light**
950g(2.09lbs)*
- Easy Operation**
Gesture-control touchscreen
- Auto Brightness**
Adaptive to ambient light for optimal view

**Only for standard configuration.*

Overall efficiency for maximized value

The connectivity capabilities of BeneVision N1 enable it to follow a patient throughout the entire care process, ensuring data continuity for patient-centric monitoring, thereby improving overall information management efficiency. BeneVision N1 could be seamlessly integrated with BeneVision N Series Patient Monitors. The state-of-the-art UI design enables intuitive operation that saves hospital resources and costs in staff training.

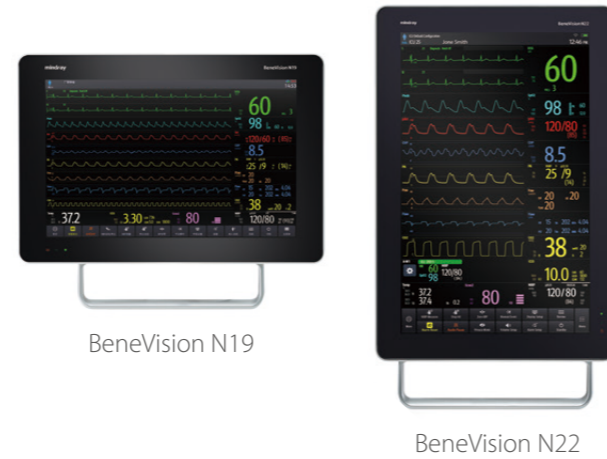


BeneVision™ N22/N19 Patient Monitor

Always in sight, always in mind



Rotatable
Both higher and wider clinical views



BeneVision N19

BeneVision N22

Change your perspective, again

The design excellence of BeneVision N22/N19 has great originality to lead your perspective. A seamless outlook optimizes your monitoring experience with super large touchscreen, cool rotatable landscape & portrait layout, ultra slim main unit as well as plug-n-play modules. An ingenious user interface including multi-window flat menus, infographic alarm indications and online user guide offers extremely intuitive patient data and ultimate ease-of-use, while auto screen brightness always keeps patient in mind.

Maximize your confidence

Benefitting from cutting-edge clinical measurements, such as rSO_2 , ICG, and state-of-the-art clinical decision support tools, such as HemoSight™, ST Graphic™, and DSA, BeneVision N22/N19 enhances your clinical confidence to the max and helps you make easier and faster clinical decisions.

Built for a paperless future

The connectivity capabilities of BeneVision N22/N19 fit seamlessly into your clinical workflow for paperless future. Revolutionary iView clinical informatics workstation brings all intelligence (PACS, LIS, EMR, etc) on screen at point of care for one-stop diagnosis. Industry-leading Benelink integrates all bedside devices to the monitor realtimely and facilitates centralized data management.



BeneVision™ N17/N15/N12 Patient Monitor



BeneVision N12

BeneVision N15

BeneVision N17



Advanced display

Super clear capacitive screen with wide viewing angle, unique anti-dazzle design, and multi-touch gesture control.

Clinical insight improved by professional applications

Benefitting from a series of smart Clinical Assistive Applications (CAAs), BeneVision N Series enhances your clinical confidence to the max and helps you make easier and faster clinical decisions through visualizing complex clinical data.

- For Intensive Care Unit: HemoSight™, SepsisSight™, InfusionView™, NeuroSight™
- For Operating Room: BoA Dashboard™
- For Cardiology Care Unit: ST Graphic™, Pace View, 24h ECG Summary, AF Summary
- For Emergency and General Unit: Early Warning Score(EWS), GCS



HemoSight™

SepsisSight™

InfusionView™

NeuroSight™

IT structure designed for seamless connectivity

Mindray patient monitoring system incorporates extensive network adaptability to integrate with the hospital's current network infrastructure, ensuring that critical data is on hand for clinical decision making and is integrated with the patient record. Mindray's central station and eGateway further enhance the connectivity of BeneVision to your clinical world. Bedside devices data, other clinical systems data are shared to support your diagnosis and clinical decisions.

Advanced Parameter Modules



Comprehensive

Easy to extend for higher level monitoring



BeneVision N Series provides the world's best monitoring technologies to deliver accurate, real-time, physiological measurement data from millions of patients worldwide. With new applications being continuously developed, it ensures comprehensive advanced parameter measurement with convenient plug-and-play modular design for more flexible clinical application to maximize the efficiency of resource allocation within the department and hospital.

Cardiology

- ΔST monitoring and ST segment templates.
- Real-time QT/QTc measurement.
- Glasgow 12-lead resting interpretation.

Airway gas & lung mechanics

- One-slot CO₂+O₂ module.
- Volumetric CO₂ and metabolic measurements.
- AION Multi-Gas +SPIRIT respiratory mechanics.

Neurology

- BIS/BISx4 anesthesia depth monitoring.
- EEG monitoring and especially aEEG for neonates.
- Advanced NMT monitoring can detect movement in all directions.
- ANI analgesic monitoring.

Hemodynamics and volumetric

- CO monitoring with standard Swan-Ganz catheter.
- Advanced PiCCO monitoring.
- Non-invasive cardiac output with ICG module.
- CCO/SvO₂ module to integrate with Edwards hemodynamic monitoring machines.

Tissue perfusion

- INVOS rSO₂ provides a noninvasive and continuous reading of changes in regional oxygen saturation of blood in tissue microvascular circulation.



BeneVision™ TM80

More than telemetry

BeneVision TM80 is a smart wireless telemetry patient monitor designed to satisfy telemetry clinical needs. It is small, powerful, durable and easy to use. Moreover, it can be integrated into patient monitoring system and be applied in multiple clinical scenarios.



Small in size, powerful in use

TM80 is compact, portable, yet it's integrated with more professional patient monitoring functions: wide variety of parameters displayed real time on monitor screen include ECG, HR, SpO₂, PR, ST, QT, and NIBP; 24 hour Ambulatory Blood Pressure Measurement (ABPM) helps manage blood pressure precisely; device tracking helps the caregivers efficiently find the patients when needed.

Durable for ambulatory patient

Considering about the complex ambulatory situations, TM80 efficiently reduces power consumption and enhances anti-collision ability. With the innovative design TM80 can work up to 40 hours and withstand 1.5m falling.



Mobility

Every detail of TM80 is designed to satisfy ambulatory patient's clinical needs.



Precise fingertip control

TM80 is compact, portable, yet it's integrated with more professional patient monitoring functions: wide variety of parameters displayed real time on monitor screen include ECG, HR, SpO₂, PR, ST, QT, and NIBP; 24 hour Ambulatory Blood Pressure Measurement (ABPM) helps manage blood pressure precisely; device tracking helps the caregivers efficiently find the patients when needed.

Wireless connectivity, extensive applications

Leveraging the MWAN, the industry-leading wireless technology, to improve the continuity and quality of connection and ensure that patients are always monitored, TM80 is confident in taking the lead to provide safe and continuous monitoring for patients.

BeneVision™ Central Monitoring System

A better vision of care

The BeneVision CMS, as the core of M-connect IT solution, provides unique and innovative capabilities to address the challenges that caregivers are facing everyday.



Full equipment

All bedside devices information is integrated.



Multi-dimension

Patient is being monitored at any point of care.



The everyday routines of modern hospitals call for ever higher efficiency and place more demanding requirements on clinical diagnosis. BeneVision Central Monitoring System(CMS) is the ideal tool to meet these requirements and redefine versatile clinical surveillance.

Make your team more efficient.

BeneVision Central Monitoring System evolves from a centralised monitoring station to a distributed and patient-oriented system. It provides several correlative system components - CentralStation, WorkStation, ViewStation, CMS Viewer, Mobile Viewer, AlarmGUARD and web client. You can combine these components in a flexible way to build various monitoring systems that satisfy different departments' needs and the whole hospital's monitoring requirements.

Make your workflows smoother.

BeneVision Central Monitoring System not only allows you to oversee patient monitor but also infusion pump, ventilator, and devices connected via the BeneLink. With diverse system component options, you can get comprehensive patient information at a nurse station, corridors, offices and so on. In addition, based on the capacitive touch screen, the intuitive and friendly user interface of the Central Monitoring enable you to operate the system quickly and reduce your training costs.

Make your clinical decisions easier.

BeneVision Central Monitoring System provides various review applications to fast-track patient conditions, and contrast windows enabling you to simultaneously view patient data in different ways. In addition, sophisticated analysis tools help you make clinical decisions faster and easier.



Observe patients in different departments

WS can be connected to Central Stations from different departments simultaneously, enabling clinical supervisors to conveniently observe and review multiple patients at one glance.



Analyse patient conditions in the office

The CMS Viewer allows access to patient monitoring information and bedside peripheral devices on the PC in your office. Comprehensive review and clinical assistive applications make diagnosis more convenient.

Get patient detailed information anywhere

The ViewStation(VS) can be located anywhere it is needed. Unlike the usual Central Station monitoring solution, the View Station can display patient information from one or multiple Central Stations. Also, it allows you to view detailed information of individual patient.



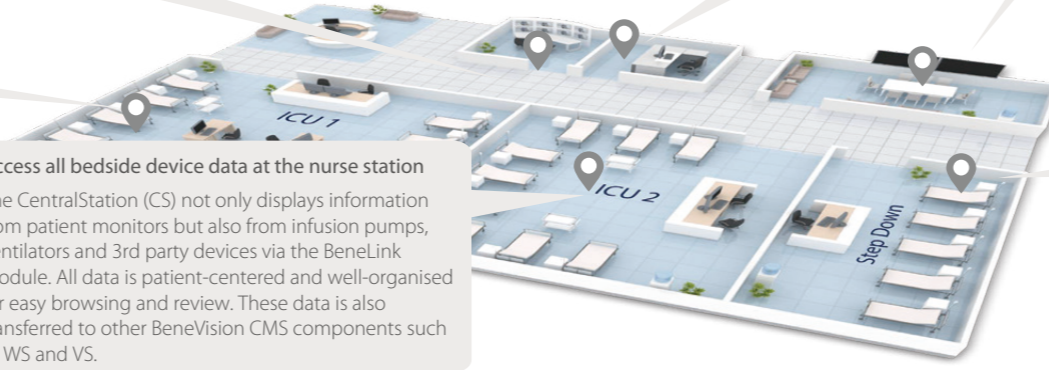
Monitor patients in a care group

The WorkStation (WS) can help you concentrate more on the patients in your care group. On top of monitoring real-time information, you can also adjust settings and admit patients to the Work Station. And all patient information will be immediately synchronized to bedside patient monitors and the host Central Station.



Access all bedside device data at the nurse station

The CentralStation (CS) not only displays information from patient monitors but also from infusion pumps, ventilators and 3rd party devices via the BeneLink module. All data is patient-centered and well-organised for easy browsing and review. These data is also transferred to other BeneVision CMS components such as WS and VS.



View patients by smart phone/pad

For even greater flexibility, the Mobile Viewer is a CentralStation in your pocket. You can receive and manage alarms through AlarmGUARD and have complete patient data for clinical decision making to ensure patient safety, no matter where you are.



AlarmGUARD

Effective alarm distribution-certified alarm management system

Mindray has been working hard to help minimize the risk of alarm fatigue. AlarmGUARD can further filter and prioritize alarms and send them to designated care providers via mobile devices, which makes the alarm management more effective to attract the attention of clinicians and reduce alarm fatigue.

All bedside equipment integrated

Integrate all bedside equipment, including patient monitors, infusion pumps and ventilators from Mindray, also 3rd party devices connected via the BeneLink module, which makes the alarm management of the whole department equipment easier.

Role-based alarm distribution and escalation

AlarmGUARD allows caregivers to be assigned to specific patients with specific alarms. Should a designated be unable to respond appropriately, the alert is routed to predefined colleagues. This helps maximize staff awareness of changing patient conditions, and helps ensure prompt and appropriate responses and interventions.

Complete data to strengthen decision-making

Caregivers can also use AlarmGUARD to check patients' real-time monitoring parameters, waveforms, infusion information, trends and 12 lead ECG report anytime while moving around their facility. Gain access to key data in order to achieve a deeper understanding of an alert's context and significance. This makes it easier for them to handle alarms as efficiently as possible.

Standard compliance

- CE Medical Device in class 2b
- IEC 60601-1-8
- CDAS: Distributed Alarm System with Operator Confirmation

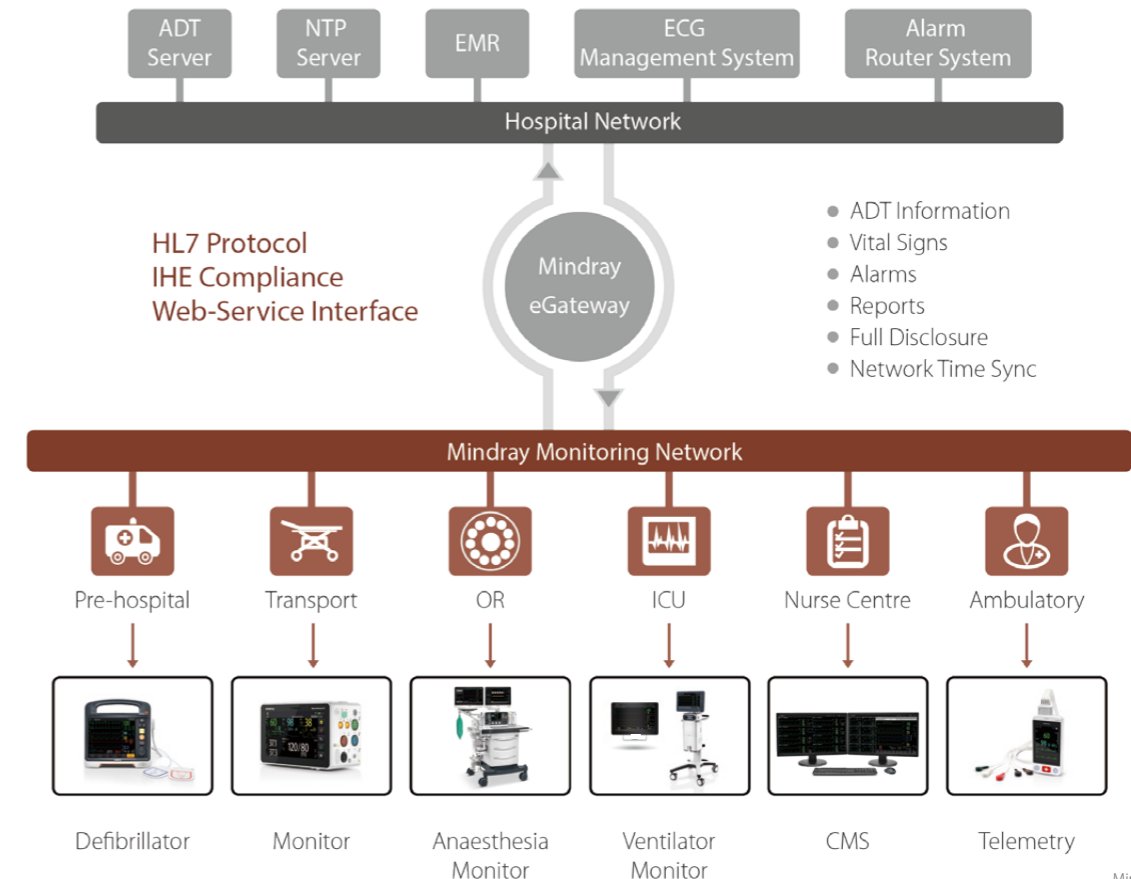


eGateway Enterprise Integration Solution

Superior data connection

eGateway is a member of the Mindray monitoring product family and is the bridge between hospital information systems and Mindray monitoring system. It provides bi-directional communication, sending comprehensive data which includes vital signs, alarms, reports and full disclosure to the hospital information system. Besides, it can download patient demographics from hospital ADT Servers to Mindray monitoring system.

eGateway not only supports connection to all Mindray patient monitors, but also Mindray anesthesia machines and ventilators through BeneLink. For other vendors' devices including infusion pumps, anesthesia machines and ventilators, and their data can also be sent to eGateway via the Mindray monitoring network.





Wearable patient monitor

Wearable devices provide safer and more comfortable monitoring experience. Mindray's mWear wearable patient monitor, through optimizing the accuracy, usability of wearable monitoring and advancing the reliability and security of wireless signal transmission, redefines the continuous monitoring experience for patient safety and provide simplicity of clinical application in multiple scenarios.

Medical-grade wearable monitoring

Refined product design and medical-grade algorithm give mWear the ability to enhance patient safety.



Refined design

Comfortable wearing experience
Complete wireless interconnection



Reliable design

IP22 Waterproof
Resistant to 48 kinds of disinfectants



Medical-grade monitoring

Multi-parameter monitoring
Patented anti-motion algorithm
Innovative health parameters



Ring SpO₂ sensor

Comfortable wearing experience
Complete wireless interconnection

Smooth workflow

How to make the wearable devices easier and better to use?

Based on the real clinical needs, Mindray tries to solve the inconveniences from three dimensions.



Monitoring preparation

- Pairing through a single touch
- Patient information auto bound through PDA scanning



Patient monitoring

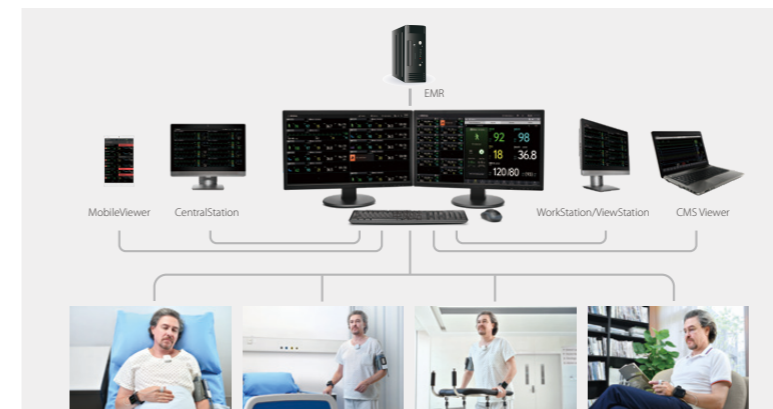
- Conduct a unified management and viewing through central station
- Fall Down Warning
- Innovative Wearable Mode
- Emergency Monitoring



Charging & device management

- Long duration: at least 48 hours
- Centralized charging design
- Clear charging instruction
- Large volume storage

Reliable and accessible IT solution



mWear also extends to the home through the App so that patients are safely monitored at home. The application of mWear in hospital and homehospital use the same monitoring system.

Homehospital application: Dedicated app design. App sends the data back to the central station in hospital. Independent charging pod.

All the data can be connected to the EMR system.

ePM Series Patient Monitor

The evolution of simplicity

Inspired by the needs of customers, Mindray patient monitors adopt advanced technologies and transform them into accessible innovation. The ePM delivers excellent visual experience, intelligent operation, accurate physiological measurements, smooth workflow and comprehensive connectivity options for demanding hospital settings, such as Emergency Rooms, Recovery Units, Sub-acute Units and General Wards.



ePM 10 ePM 12 ePM 15



Multitouch screen with gesture support



Wide viewing angle $\geq 170^\circ$



Easy of use

Intelligent operation experience, allowing access to the most commonly used functions within 2 steps



1280x800 pixel (10.1"/12.1")
1366x768 pixel (15.6")



Fanless design



Auto-brightness adjustment



Durable and robust casing

Accurate, reliable parameters

Integrated Platinum™ MPM parameters: 3/5/12-lead ECG, respiration, SpO2, temperature and NIBP.

The integrated Platinum™ MPM parameters and anti-interference performance ensure excellent parameter accuracy and reliability.

Innovative multi-parameter alarm analysis can reduce false arrhythmia alarms and promote the accuracy of heart rate and pulse rate.

Intelligent Alarm Strategy: Using special fatal alarm sound. Highlight the fatal alarm. Support personalized threshold settings for different patients based on trend data.



ePM 10M

ePM 12M



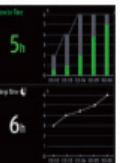
Adaptive

Expand parameters to meet your clinical needs through plug and play modules

Wireless monitoring

ePM 10/12M can upgrade the receiver module to wearable sensor for wireless monitoring, so as to solve the inconveniences caused by monitoring cables and make patients more comfortable.

- Medical-grade multi-parameter monitoring
- Innovate health parameter monitoring. Monitoring patient's exercise time, sleep time and fall-down detection



Clinical Assistive Applications (CAA)

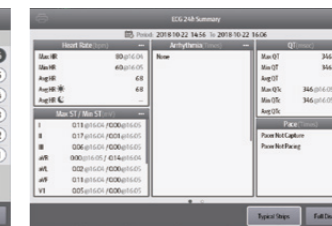
Efficient Clinical Assistive Applications (CAA) to help support safe and efficient decision-making in mid-acuity and general ward areas.



ST Graphic™



Glasgow Coma Scale



24 hours ECG summary



Early Warning Score (EWS)

Valuable and accessible IT solutions

The ePM helps enhance clinical workflow and efficiency with its flexible yet reliable connectivity capabilities. Data from each ePM devices can be easily connected to the CMS and Mobile Viewer, giving clinicians access to their patient data anytime and anywhere in the hospital.

VS 8/9 Vital Signs Monitor

True to life

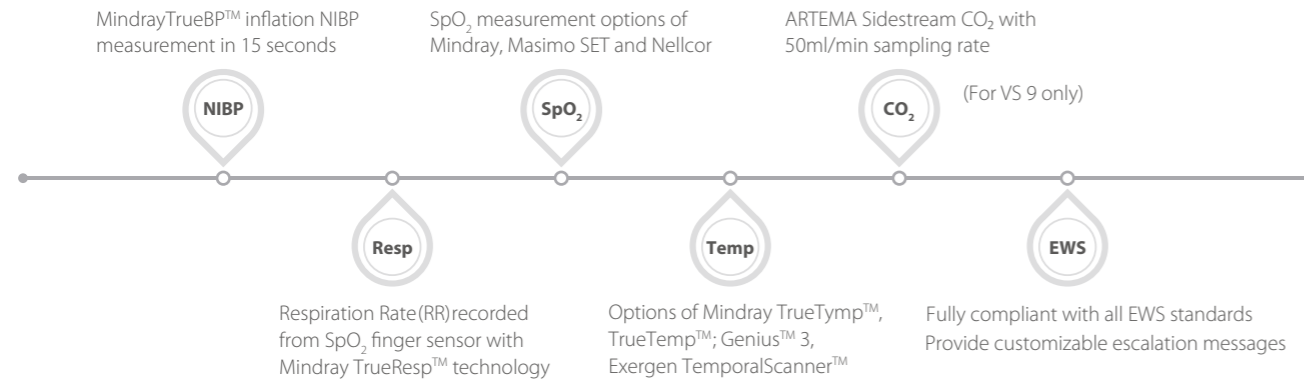


From inpatient admissions to spot checks, the VS series monitors unlock the full potential of routine observations with comprehensive and flexible workflow options empowering clinicians to deliver high quality bedside care to each and every patient.



True-to-life vital signs

The VS delivers precision vital signs measurements at rapid speeds, maximizing patient comfort and clinical efficiency.



TrueTymp™ Ear Thermometer

Simple and reliable

- Sustained accuracy provides trustworthy experience
- Enhanced usability maximizes your efficiency
- Durable and dependable for enhanced workflow
- Comfortable probe covers for better patient outcome



Truly flexible workflows

Providing comprehensive documentation at the point of care, the workflows of VS unlock the full potential of bedside observations and help consolidate and speed up bedside assessments.



Vivid user interface

Intuitive gesture operation with capacitive touchscreen

Capture more at the bedside

Up to 30 customizable manual inputs

Create the right workflow

Customizable screen layout and parameter settings

Truly interoperable connectivity

Mindray's flexible connectivity options enable you to future-proof your hospitals systems, for scalable growth and future innovation. Our vendor neutral and comprehensive connectivity solutions make digital patient data integration simple and secure.

- Seamlessly connects to your EMR systems
- Enabled caregiver login and patient identification
- Hybrid BeneVision central monitoring system to maximize your investment
- M-IoT device manager provided to screen the clinical efficiency of the equipment



True to form quality and reliability

Created with longevity in mind, the vital signs monitors are supported by innovative maintenance software and a robust design.

Trouble-free cleaning

Validated with up to 51 leading cleaning agents, to aid faster wipe-downs and less degradation over time.

Easier installation

Step-by-step configured for your own clinical requirements with a smartphone-style Startup Wizard.



VS-600 Vital Signs Monitor

Clear, simple and portable

VS-600 is an ideal portable vital signs monitor, satisfying your basic clinical needs for periodic spot-check in the low-acuity areas of your hospital. VS-600 is suitable for adult, pediatric and neonatal patients and features a clear display, simple operations and superior portability.



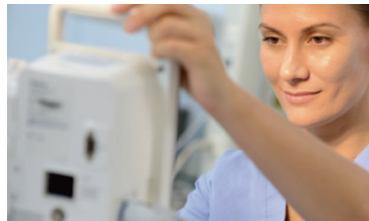
Efficient

Convenient clinical scoring with EWS support



Clear

VS-600 supports fast, accurate and comfortable NIBP measurements. It displays reliable temperature readings in seconds and supports oxygen saturation measurements with your choice of three state-of-the-art SpO₂ technologies.



Simple

- Easy access to all functions through a four-button Keypad
- SpO₂ and NIBP accessories compatible with Mindray uMEC, ePM and BeneVision N Series Monitors
- With all these features VS-600 will greatly reduce the time needed for vital signs checking, allowing you to focus even more on your patients



Portable

- Compact and light-weight with only 1.7kg (including battery)
- Robust and comfortable handle and rugged housing
- Stable trolley with quick release button



uMEC Series Patient Monitor

Lots to care, less to spend



Advanced performance

With Mindray's 25-year experience in patient monitoring, uMEC series patient monitors cater to clinical needs by offering precise and stable measurement of essential parameters. When monitoring is reliable, you can naturally be more confident with your clinical decisions.

Easy to use

As an user-friendly patient monitor, uMEC helps to simplify workflow and improve efficiency. The monitor provides a very intuitive user interface to ensure faster and easier applications even for new users. Caregivers require less time for training and get more time for patient care.

High durability

To be effective in different environments, uMEC has passed strict electrical safety tests and reliability tests. It is extremely durable and has a long life span.



Cost-effective

The best balance between quality and your budget

uMEC offers a value range of patient monitor series to help you save more and get more. With the latest Mindray technology embedded in an attractive appearance, uMEC delivers the best return on your investment.



Mindray Anesthesia Machine

From the basic WATO EX-20 anesthesia machine to the advanced A9 Anesthesia System, Mindray offers clinicians diversified choices which are all designed and rigorously tested to enhance the quality of patient care and the clinical experience for clinicians in over 150 countries.



A9 Anesthesia System

All-round safety



Mindray's innovative A9 Anesthesia System empowers clinicians with intuitive and safe management of the anesthetic procedure, which ensures the safety of patients throughout peri-operative periods. Based on deep insights into the clinical workflow in the OR, the A9 is designed to streamline clinical tasks and enhance work efficiency.

Introducing the new safety

High Flow Nasal Cannula HFNC

HFNC can extend the safe apnoeic oxygenation time to 30min during induction. It helps clinicians intubate more easily, especially for patients with poor oxygen saturation such as bariatric, pediatric, critical ill or difficult airway.

Automatic Controlled Anesthesia (ACA)

ACA can automatically adjust the fresh gas and vaporizer output to quickly achieve the preset target end-tidal agent and inspiratory oxygen concentration.

Powerful protective ventilation toolkits to prevent PPCs



Transpulmonary pressure monitoring

supporting customized ventilation settings for individual patient.



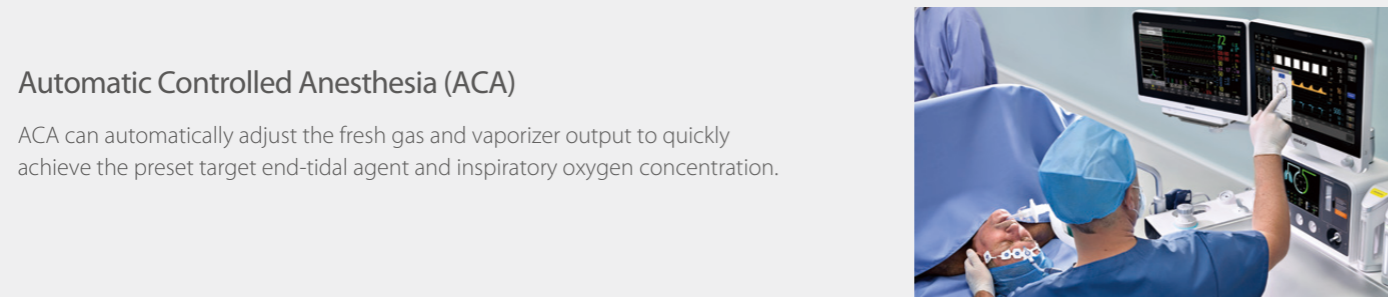
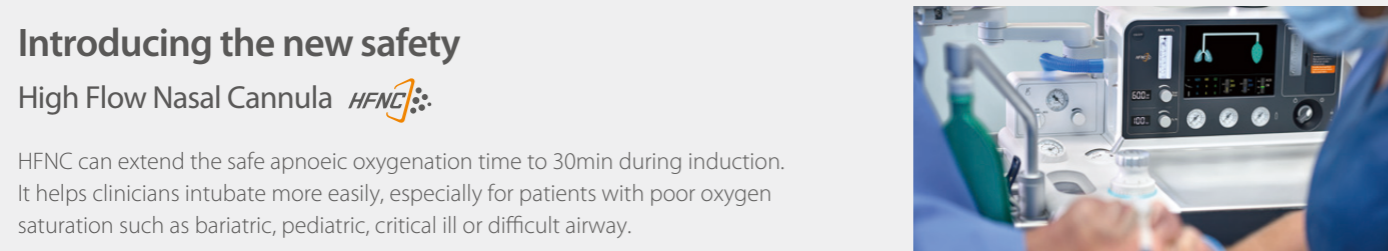
Lung Recruitment Tool

A scheduled recruitment maneuver can be performed automatically.



TV/IBW indicator

Offering clinicians clear hint of appropriate tidal volume settings to avoid barotrauma.



Less is more

Customizable profiles

Configuration screen display can be customized and loaded easily for different clinical scenarios or use requirements, including default values, screen layout and system configuration.

Automatic self-test system



Checks various parts automatically to ensure proper functioning



All checks completed in 3.5 minutes

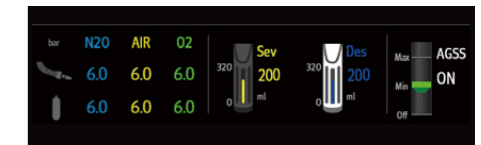


No manual intervention required during system check



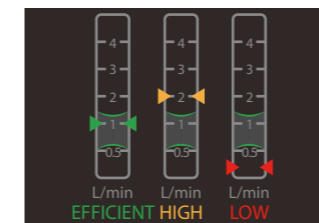
Clear system status indicators

- Real-time system status display to help address malfunctions quickly.
- Clear prompts for certain scenarios for easy viewing of the current working mode.



A green operating room

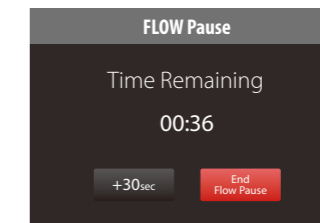
The A9 anesthesia workstation implements anesthesia gas reduction strategy during surgery to create a better working environment for surgical staff and save anesthetic agent costs.



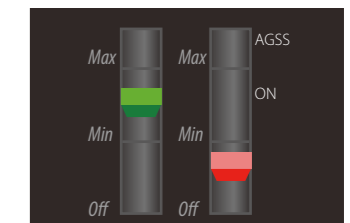
Optimizer

Fresh Gas+Agent Usage	
Start:	2019-11-21 9:42
End:	2019-11-21 14:42
SEV	100.0 ml
Iso	50.5 ml
O2	150.5 L
Air	150.5 L
N2O	0.0 L

AA measurement



Flow Pause



e-AGSS system

Flexibility & connectivity

A highly flexible data integration solution is provided to connect the A9 anesthesia workstation with patient monitors, central monitoring station, as well as the hospital's information system to eliminate any gap in the flow of patient data.

WATO EX-65 Pro Anesthesia Machine

New digital platform, changes the rule

Mindray WATO EX-65 Pro provides a variety of innovative solutions for a simplified clinical workflow, including integrated plug-and-play gas monitoring modules, smart alarm with graphical troubleshooting, large easy-clean work surface, automatic self-test, and a full range of controlled and support modes of ventilation.



More precise

With new integrated innovative functions, the new WATO EX-65 Pro enables you to precisely control the system as well as different types of patient easily. A digital gas mixer with Optimizer makes precise gas delivery and safe low flow settings possible.

More visible

With a 15 inch high resolution display, intuitive touch user interface, the WATO EX-65 Pro makes anesthesia process more visible. Visualizing the System Self-test procedure and smart alarm management with graphs and charts simplify complicated operation steps.

More cost-effective

As a multifunctional anesthesia workstation, WATO EX-65 Pro is designed with cost in mind. Low flow settings become possible with Optimizer, which helps reduce the waste of anesthetic agent. The flow sensors with a long lifespan make maintenance much easier and cheaper.



WATO EX-35 Anesthesia Machine

New digital platform, changes the rule

New touch-screen control

- 10.4" touch-screen with quick access parameter controls
- Easy adjustment
- Smart Alarm system provides real-time detailed information

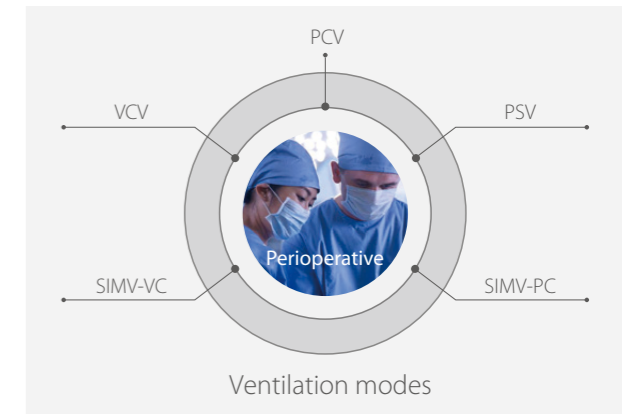
Enhanced performance

Employing the latest technologies to support an extensive range of features and functionality, ensuring all anesthetic procedures are delivered safely, efficiently and effectively.

- Plug-and-play AG Module (auto ID of 5 agent and N₂O)
- Integrated multi-mode ventilator
- Ventilator Drive Gas Auto Switch function to guarantee the patient is ventilated without interruption at all time

Better usability

Designed with the user in mind, WATO EX-35 is a feature-rich, ergonomically designed anesthesia system that can be positioned for prolonged periods without experiencing unnecessary stress or fatigue.



P-n-P Gas Monitoring



Driven Gas Auto-switch



Smart Alarm Management

SV800/SV600 Ventilator

All intelligence leads to ease

Mindray SV800/SV600 ventilators are premium models that convey powerful ventilation tools and enable clinicians to set and deliver ventilation therapies quickly and easily via the intelligent ergonomic design and flat user interface.



Advanced ventilation modes



Powerful tools



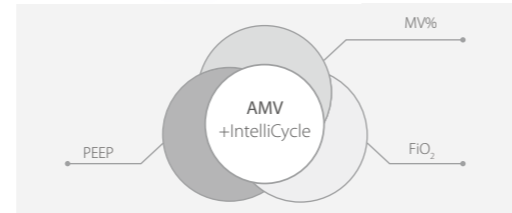
Intuitive operation



Free connection

AMV™ - Intelligent ventilation mode

AMV™ is a ventilation mode that automatically adapts to patient status, smoothly transit from control to spontaneous breathing.



IntelliCycle Pro-Advanced synchronization technology

Automatically adapts to the patient breathing pattern based on waveform analysis thus improving the patient-ventilator synchrony.

- Reduce work of breathing and improve comfort
- Automatic real-time adjustment
- On all assist control & support modes

Lung protection tools

Comprehensive lung protection tools include Auxiliary pressure monitoring, Pes tool, Static PV Loop, lung recruitment tools, and advanced monitoring parameters, to help clinicians assess the status of the lung and conduct lung protective strategies.



reddot award 2015 winner

SV300 Ventilator

Compact yet powerful

SV300 is a state-of-the-art ventilator that's simple to configure, easy to operate and versatile in use. It is equipped with extensive ventilation modes that can be applied to neonate, pediatric and adult patients with all acuity levels at ICUs and Intermediate Care.

Adaptive

With its comprehensive list of standard features, the SV300 is appropriate for all levels of patient acuity and in all care settings from bedside to intra-hospital transport, invasive ventilation to non-invasive ventilation.

Comprehensive

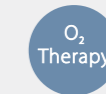
Equipped with functions that are usually found on intensive care ventilators, the SV300 comes with extensive ventilation modes, and the unique features make it a top level ventilator.



Volumetric CO₂ measurement
- Airway dead space
- CO₂ elimination



Weaning indicators
- P0.1
- NIF
- RSBI



O₂ Therapy
- O₂ enrichment
- Adjustable flow



Intelli Cycle
- Automatic switch over
- Enhance patient synchrony



Easy to use

Thanks to the intuitive UI design of the SV300, each function is in logical order so that clinicians do not need to navigate a complex menu. The combination of AMV and IntelliCycle simplify the parameters setting, thus clinicians can focus more on patient care.

SV70 Ventilator

Enlightening every breath



SV70 ventilator is made for advanced non-invasive ventilation. It ensures exceptional synchronization with excellent EasySync™ technology and is equipped with advanced decision-support tools to sense patients' real breathing needs, which helps clinicians make optimal decisions and brings patients to comfortable ventilation.

Powerful decision-support tools



HFNC Sight

- Integrates SpO₂ module and calculates ROX in real-time
- 48h HFNC ROX trend, allowing clinicians to set HFNC success and failure criteria



Real-time PEEPi monitoring

- Accurate and continuous monitoring to reflect the patients' real-time conditions



Efficient clinical operations

- 15.6-inch capacitive touch screen
- Dedicated mask storage slot
- Patient leakage indicator



Hospital network connection

- The SV70 ventilator allows connection to the central monitor system(CMS) via cable or Wi-Fi to easily realize multi-bed ventilator centralized monitoring, and can be integrated with bedside devices to achieve single-bed fusion monitoring, improving the efficiency of clinical diagnosis and department management.



NB350 Ventilator

Gentle care for easy breath



The NB350 neonatal non-invasive ventilator is specially designed for neonatal ventilation, equipped with comprehensive NIV modes to provide reliable non-invasive respiratory support to meet the various needs of neonatal respiratory management.

EasySync™ Technology

- Precise detection of spontaneous breathing effort: Synchronization performance is comparable to electrical activity of the diaphragm (Edi).
- Precise apnea monitoring: Automatically disrupts apnea with apnea wake up function.
- Does not rely on any external sensor: Improves clinical usability and minimizing constraints on neonates.

IOC (Intelligent Oxygen Control)

- The oxygen saturation of neonates tends to fluctuate, requiring caregivers to frequently adjust ventilator's FiO₂ settings. IOC (Intelligent Oxygen Control) achieves a closed-loop FiO₂-SpO₂ control by maintaining the patient's SpO₂ within the predetermined range, reduces the workload of caregivers, and improves patient safety.

Simple, efficient, and ease of use

- 12.1 inch intuitive touch screen display
- Extensive monitoring parameters for confident clinical decision-making
- Accurate FiO₂ monitoring without tedious manual calibrations
- Fully automatic system self-check



HFNC
High-flow Nasal Cannula Oxygen Therapy



NIPPV
Nasal Intermittent Positive Pressure Ventilation



NCPAP
Nasal Continuous Positive Airway Pressure



SNIPPV
Synchronized Nasal Intermittent Positive Pressure Ventilation

Comfortable and reliable patient-interface

Providing a variety of sizes of patient-interface to fit different clinical applications and patients



BeneHeart D60/D30 Defibrillator

Expand rescue potential

Mindray's new generation of defibrillator, BeneHeart D60/D30, is designed to break through the limit and redefine the reliability of the life-saving device. It brings the full potential of state-of-the-art innovations and technologies to rescue therapy.



Capacitive Full Touch

HD capacitive touch screen and flat UI design for a clearer visual experience, more smooth operation and greater efficiency



Rescue Triangle

Take into account resuscitation-debriefing-training to continuously improve the quality of rescue.

One device with multi-talent

In the face of unpredictable rescue, you often hope to provide more on-site diagnosis and analysis for patients to give treatments as soon as possible, but various devices make your rescue journey unbearable. This is why we have given D60 more diagnosis and analysis technologies. It is not only a defibrillator / monitor, but also a 12-lead ECG machine, a point-of-care ultrasound, an infrared ear thermometer, and a set of scoring and early warning tools.



Critical value & MI location help quickly judge the risk situation of patients with chest pain



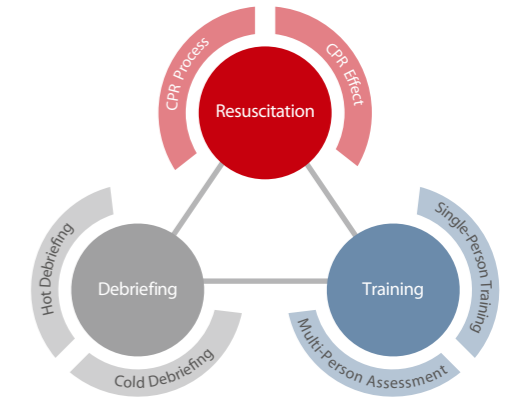
High-quality ultrasound images with excellent resolution for accurate decision-making



Scoring & early warning tools help to fast obtain the severity of the patient and detect the risk of deterioration in time

Rescue triangle, more comprehensive

High-quality rescue needs to improve the quality and effect of CPR during the rescue process. On the other hand, it also needs to review and analyze the rescue data and rescue quality in a timely and regular manner, and pay attention to routine rescue training and assessment. Only three-in-one can improve the quality of rescue and the survival rate of SCA patients.



Redefine toughness with innovation

Lightweight, compact and sturdy, this is Mindray's new generation of high-end defibrillator / monitor D60/D30. Powered by innovative technologies, D60/D30 is designed to withstand demanding environmental conditions, fighting side by side with you anywhere, anytime.



Operate in temperatures ranging from -20°C up to +55°C, fearless of any extreme challenge

IP55 water-/dust-proof
More durability when using common cleaners and disinfectants (up to 49 kinds)

Touch screen protected by the latest version of Corning's tough glass, thinner but stronger

Bend-resistant defib cable, withstanding more than 400,000 bending tests

Keep connected with greater efficient

A defibrillator contains rich data resources, not only the patient data that medical staff are concerned about, but also device status that managers need to know. In the past, due to the lack of systematic solutions, it was difficult to effectively and comprehensively manage such information, and the defibrillator became an "data silos". M-Connect™ IT solutions are designed to help you solve this problem.



BeneHeart D6/D3 Defibrillator

More than a fast defibrillator

With a 4-in-1 integrated design (manual defibrillation, AED, pacing, and monitoring modes), BeneHeart D3/D6 put any unexpected circumstances under your control.



The fastest defibrillator

Power on in 2 seconds Charge to shock in 3 seconds ECG recovery in only 2.5 seconds

360J high energy

BeneHeart D6/D3 defibrillator features 360J biphasic technology, which increases the chance to save difficult-to-defibrillate patients.

Easy to use

Following clear 1-2-3 steps (1.Select energy; 2.charge; 3.shock), simple manual defibrillation returns clinician's attention to their patient.



BeneHeart D6

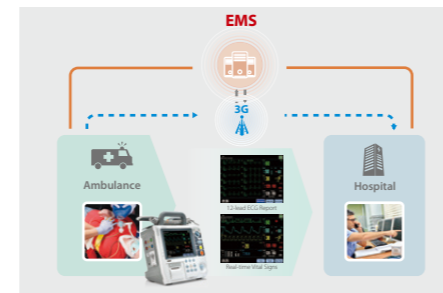
BeneHeart D3

Intuitive contact impedance indicator

Its colour coded indicator with real contact impedance value provides a more intuitive guide for clinicians.

Effective IT solution

Patient data can be transmitted in a faster and more efficient way, through 5G/24G WiFi, and with international standard IHE HL7 protocol and DHCP.



BeneHeart D1 (Pro) Defibrillator

Your first-aid assistant for emergency care

BeneHeart D1 (Pro) is powerful automated external defibrillator(AED). Supporting you throughout the emergency response process, BeneHeart D1 (Pro) is lightweight, compact, and durable, offering all standard AED functions, while being very easy to use.



Ease of use

The compact BeneHeart D1 (Pro) has a large TFT 7-inch screen. Easy to follow voice prompts with color animations guide rescuers to achieve optimal resuscitation outcomes. Automatic/user- configured self-tests ensure that the defibrillator is always ready during emergency situations. In addition, the D1 (Pro) can be connected to 3-lead ECG for emergency use, offering more choices for users when saving lives.



Thoughtful

Color animation and voice prompts

Effective CPR solution

The CPR Sensor is easy to use with its ergonomic design and graphic mark of the pressure spot. It delivers instant audiovisual feedback so that compressions are of proper depth and rate. It indicates complete chest recoil, hands-off time to help improve the patient's chance to survive.

Professional therapy modes

Real manual mode with energy-level selection provides the complete 1-2-3 step process to deliver high-quality shocks to the patient. Synchronized cardio version is also available with the small and compact D1 (Pro).



*For further information about the availability of CPR sensor, please contact your local sales representatives.

BeneHeart C Series AED

Smarter & faster

The latest generation of Mindray BeneHeart C Series automated external defibrillator (AED) comes with smarter operations and faster shock delivery, which helps achieve better resuscitation outcomes for sudden cardiac arrest.



7" TFT color screen
Auto adjusting Screen brightness



Open the lid to power on



Up to 3 languages to select



Adult/child mode



Semi-automatic or fully automatic version



Pre-connected adult/ child electrodes

Fast & powerful

Thanks to the QShock™ technology, the BeneHeart C Series can deliver the first shock in less than 8 seconds. As ECG analysis is shortened within 5s with pre-charging completed synchronously, so that no extra time is needed for charging. It also features the 360J biphasic technology, meeting the needs of individual SCA patients.



The Smartest AED

ResQNav™ technology provides step by step guidance through the rescue process



The Fastest Shock

QShock™ technology shorten the preparational time to 8 seconds before the 1st shock



The Simplest Management

AED-Alert 2.0 platform realizes remote and centralized AED management

Smart & easy

BeneHeart C Series provides the smart ResQNav™ technology to guide you through the tense rescue process step by step with animation coaching (available in selected versions) and voice prompts. The proficiency of a rescuer can be determined, according to the time spent at each step, with appropriate guidance and encouragement to help save lives with confidence.

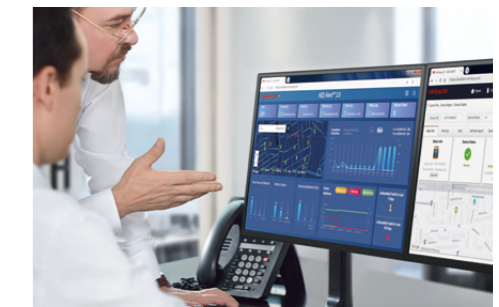
- User Interactive Rescue Guide: recognize the challenge of the rescuer encounters in time, and change both animation and voice prompts accordingly
- Continuous Encouragement during CPR Process: comprehensive CPR navigation help to achieve the goal of saving a life, just like a personal coach at side

Stay connected, stay confident

With flexible connectivity, the integrated AED-Alert 2.0* System provides a quick and efficient way to remotely manage AEDs. Notification of any AED's status change will be automatically sent to the manager, sparing the need for manual inspection.

- Complete overview of all AEDs
- AED fault notification
- Pads & battery expiry date reminder
- Electronic fence

* Available in selected countries/regions



Reliable & durable

With 1.5m drop resistance for all six sides and IP55 dust-and-waterproof rating, the BeneHeart C Series meets all out-of-hospital transport standards, including helicopters, and can be applied in various demanding environments.



Skilled rescuer

- Remove clothing from patient's chest.
- Apply pads as shown on pads.

Unskilled rescuer

- Remove pads package from lid of AED. Tear open package. Apply pads as shown on pads.
- Apply pads firmly to patient's bare chest as shown on pads.

BeneHeart R3 Electrocardiograph

Your portable assistant for resting ECG measurement

BeneHeart R3 is portable, reliable, and affordable while the user-centric design makes it simple and easy to use.



Portable

The world's lightest electrocardiograph, weighing only 1.2kg

Reliable analysis

BeneHeart R3 offers Glasgow Algorithm for 12-lead resting ECG analysis with proven accuracy.

Light weight

With only 1.2kg (with battery), it is specifically designed for portable use.

Clear display

Large 5-inch color screen offers the highest resolution (800*480).

Convenient operation

ECG recording is automatically placed on the writing pad on top of the machine for additional notes or signature.



BeneHeart R12 Electrocardiograph

Your versatile partner in resting ECG diagnosis

With globally recognized Glasgow 12-lead analysis and easy-to-use technology, BeneHeart R12 delivers rapid and accurate ECG diagnosis to help you meet a variety of clinical demands.



Environment and modernization

Paperless process delivers faster patient testing and reduces the use of costly ECG paper:

- Full print-preview image helps decide whether an immediate repeat of an ECG recording is needed;
- Preview image for instantaneous on-screen review allows sending data to the ECG management system without printing;
- On-screen review helps retrieving previous ECG reports at any time.

Quality and performance

Easy-to-use technology saves time:

- Optional touchscreen
- Well-designed soft-touch hotkeys
- Standard keyboard layout
- Direct connection to external printer through USB cable
- Patient demographics can be retrieved from the patient list
- Optional barcode scanner for rapid input of patient demographics

Measurement and diagnosis

Globally recognized Glasgow 12-lead analysis supports diagnostic confidence:

- Accurate diagnosis of adults and children from birth upwards
- Automated re-analysis after modification of patient demographics supports rapid ECG capture with the option to add patient information later.
- Digital pacemaker detection provides reliable report of atrial, ventricular and A-V sequential pacing mode without selecting pacemaker detection sensitivity.



View Now

XML and PDF format for modern work



BeneFusion n Series Infusion System

Smart touch, safe medication

BeneFusion n Series is designed to be a safe and powerful partner for intravenous infusion. The series perfectly combines all the benefits of an intelligent and intuitive touchscreen, dedicated technologies to ensure safe medication, and a powerful connected synergy of data, offering a considerate solution to guarantee patient safety throughout the clinical infusion process.



Full-Touch Experience

Full-touch screen makes day-to-day operations smoother and more hassle-free

Touch the flexibility

Extraordinary touch experience

- 7-inch full-size touchscreen
- See-through window design
- Intuitive UI design

All in one

BeneFusion nSP and nVP are versatile enough to integrate all functions to satisfy a variety of clinical purposes: Blood transfusion, TCI/TIVA, Nutrition, PCA, Neonatal.

Flexible docking solution

Tool-free modular design enables easier expansion of slots from 2 to 24 pumps

- Simple and efficient transfer docking station
- One-handed plug and play
- Automatic multi-channel relay



Dedicated to safety

Innovative technologies ensures safe medication

SmartRapid™

SmartRapid™ ensures timely infusion by significantly shortening the start-up time, from turning on the pump to delivering the first drop of medication.

SmartAIR™

SmartAIR™ enhances the overall safety by monitoring air-in-line issues when administering infusion to a patient with SmartAIR™ Dual and SmartAIR™ Empty technologies.

Dynamic Pressure System (DPS)

The DPS that monitors the pressure with numeric and graphic illustration helps caregivers identify occlusion in advance to prevent potential risks.

Guided Alarm Management

The highly visible alarm management enables users to fast locate and solve the problem.



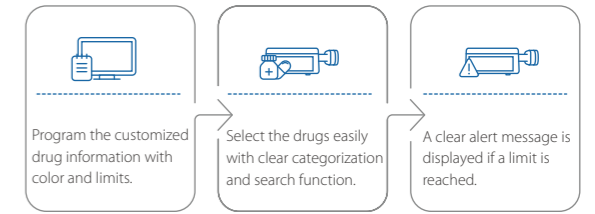
Managing drugs safely throughout the infusion



Color-coding system



InfusionView™

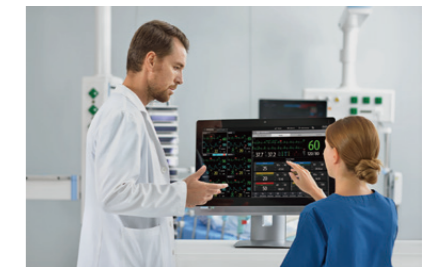


SafeDose™ DERS

Connected synergy

The BeneFusion n Series can be seamlessly connected BeneVision CMS for one-stop monitoring of all patients' vitals and infusion treatment details, providing comprehensive information for clinical workers to improve the quality of patient care.

- Centralized data management: monitor up to 72 nDS simultaneously and be able to access to HIS/CIS/EMR through HL7 protocol.
- Closed-loop medication management: Assists clinical staff to reduce medication errors with barcode scanner by aligning prescription automatically, enhancing the work-flow efficiency.



BeneFusion e Series Infusion System

Efficiency in every droplet

The BeneFusion e Series infusion system represents a new era of infusion efficiency. It features a 3.5" colored capacitive touchscreen for an intuitive UI for smooth touch operation. Available in three models, eSP, eVP and eDS, the BeneFusion e Series delivers efficiency in workflow, safety, application and informatics.



All in one

Blood transfusion, TCI/TIVA, Nutrition, PCA, Neonatal



Flexible Docking

Enable easy expansion from 2 to 16 slots

Efficiency in workflow

- SmartRapid™ shortens start-up time to less than 10 seconds
- SafeDose™ drug management system with color-coded visualizations and auto-programming of infusion parameters

- Efficient IV set loading process
- Dynamic Pressure System monitors and alerts the in-line pressure trend



Efficiency in safety

Precise infusion performance

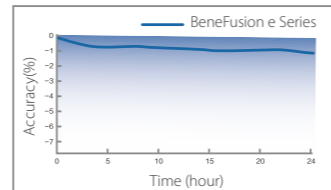
- High accuracy: eSP $\pm 1.8\%$; eVP $\pm 5\%$
- Long-hour accuracy assured

SmartAIR™

- Dual ultrasound sensor to detect the air bubbles more precisely
- 15ul air bubble detection size on BeneFusion eVP

Automatic multi-channel relay

- Supports both circular and customized relay to make sure the continuity of infusion
- Smooth relay workflow ensures stable and seamless drug-giving process



Efficiency in informatics

BeneVision CMS offers one-stop monitoring of all patients' vital sign and infusion treatment details, providing comprehensive information for clinical workers to improve the quality of patient care.



Easy management with multi-beds

Comprehensive data for single bed

BeneFusion i/u Series Infusion System

Visible safety for all



BeneFusion i/u series infusion system combines advanced technologies, reliable performance, accurate drug delivery, and compact design, satisfying the needs of varied clinical scenarios and states. With an easy-to-use concept that simplifies infusion workflow, the two series help to reduce clinicians' workload, enhance patient safety, thereby improve the patient outcome.

Intent safety

Easy touch and interaction

- Intuitive UI with flat design for efficient interaction
- Personalized large font view displays key information clearly

Departmental drug management

- Departmental drug library customized for varied care units to promote continuous optimization of infusion protocol
- Specialized infusion modes for special care units improving clinical infusion efficiency and quality

Ingenious safety

Smart accurate™ technology

- High-precision sensor enable real-time monitoring and automatic calibration for greater accuracy and stability
- Simplify the tube choice process and improve efficiency

Flexible relay infusion

- Support both circular and customized relay
- Smooth relay workflow for stable and seamless drug-giving

BolusGUARD

- Patent automatic clutch technology allows caregivers to load syringes safely and efficiently
- Safeguard patients' infusion from beginning to end



Adaptive setting

Customized Infusion settings support specialized infusion needs in varied departments



Ideal safety

BeneFusion i/u series is designed to be compact, light, durable, and utility enough to well satisfy varied clinical environments and requirements.

- Meet the clinical transfer requirement
- Super battery life up to 21 hours
- IP44 waterproof
- Resistant to 49 disinfectants

HyLED X Series Surgical Light

Lighten your work

The high-end HyLED X Series surgical light is designed to optimize surgical illumination and protecting the eyes of the surgeons during surgery. Through integrating various innovative lighting technologies and customer-oriented designs, the HyLED X Series enhances the efficiency in the operating room, and allow doctors to focus more on the patients.

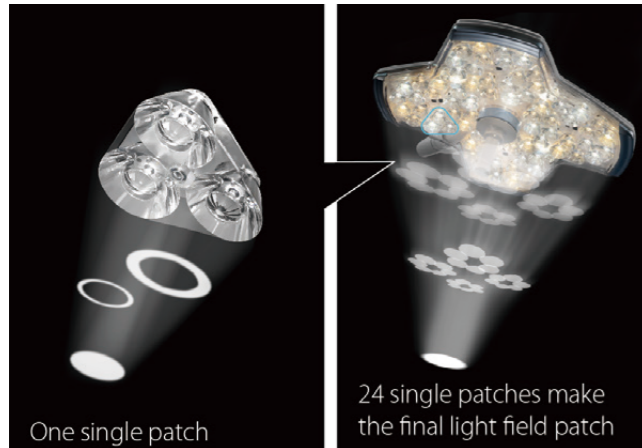


Desirable illumination

Constant clear, homogeneous illumination assuring better vision and visual comfort.

Multi-Patch Superposition Technology

Each of lens group consists of several types of annular light spot, creating an individual and complete patch. All the light patches get superimposed at the operating field, generating uniform surgical light beam.



Wide range field size

With a wide light field ranging from 14cm to 32cm, the HyLED X Series provides enough flexibility to meet all surgical illumination requirements.



Eye-relaxing light iRelax™

Eye relaxing light from HyLED X will reduce the contrast between the surgical site and peripheral region which reduces eye fatigue and improves visual performance. It provides a gradual transition between the focus illuminated surgical area and ambient lighting in the operating room.



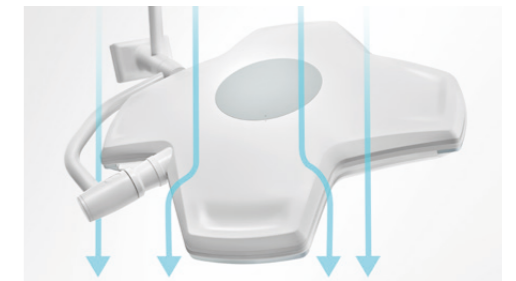
Easy-to-use design

- Multi-functional handle can be used to adjust illumination and light field.
- Low resistance joint design makes the light head easy to move.
- One-button switchover between 6 different illumination modes.



Safe and durable

- Invisible screw and seamless design
- Easy to clean for better infection control
- Better compatibility with Laminar Flow--DIN 1946
- Safe and durable--IP54
- Greater hygiene standards as Antimicrobial Powder Coating



Other models



HyBase V8 Family Operating Table

Versatility beyond expectation

The 2 models of HyBase V8 Family are all-round designed with versatility that provides solid support for varied surgeries, as well as extra comfort for the patients.

- 460 kg max capacity
- Up to 350mm longitudinal shift
- 120mm ultra-thin base, free access to C-arm
- 36° max slope angle; 26° max tilt angle
- 18 electric movements
- 5 intuitive control options
- Triple-layer decompression pad

Flexibility



HyBase V8



HyBase V8 Classic

Modular design

The tabletop is tailored for various surgical discipline needs, which can also lower the cost for hospitals as they only need to buy the specific module, instead of a new table, for an additional surgical type.

Higher imaging quality

HyBase V8 Family is adopted radiolucent carbon fiber tabletop that provides high-quality images, benefitting minimally invasive surgeries, cardiothoracic, orthopedic, and neurosurgical procedures.

Optimal stability

With a load capacity of up to 460kg, the table is designed to accommodate the highest safety and stability. All positions are permitted up to overall load of 250kg.

Better exposure to operating field

Powered body elevator and flex position can reduce the pressure injury and expose the kidney area completely.

Safety

Manual override system

Allowing table articulation movements and release the brake in the event of primary control or power/battery malfunction through an independent hydraulic circuit. Manual operations of all basic electro-hydraulic functions can be actuated by using a foot pump combined with the knob next to it.



Intelligent Collision Protection System (ICPS)

ICPS monitors the positions of the table elements during movement to avoid collision by the Module Recognition System. It also prevents the leg plate from colliding with solid objects when the table is covered with sterile surgical sheets.



Color-coded indication technology

During the tilt or slope adjustment, a color-coded indicator appears on the screen to show the angle and issue a timely warning when it comes to excessive Trendelenburg positions.

Ease-to use

HyBase V8 Family adopted intuitive remote control and E-drive function to make the operation much easier. Plus, the bellows-free and flat-base design allow the infection control to be done more efficiently and thoroughly, leveling up the workflow for surgical staff.

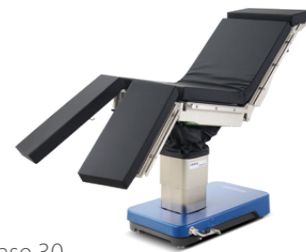
Other models



HyBase 6100



HyBase 3000



UniBase 30

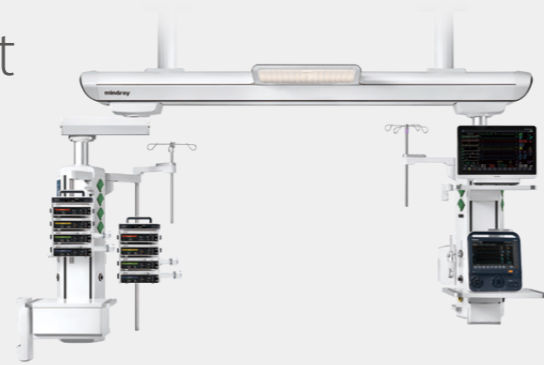


Table accessories

HyPort R80 Medical Supply Unit

Care for health with optimal workflow

Intensive care unit (ICU) plays a pivotal role in treating diseases with the development of medical science. As a new standard configuration of ICU, HyPort R80 ceiling supply units are not only equipped with simple power and air supply, but also endowed with more responsibilities and missions, so as to create a safer, high-efficient and healthier ICU environment.



Safety

- New gas and electric design
- Infection control
- Cable management

Variety

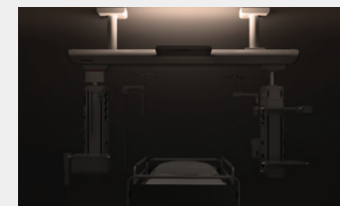
HyPort R80 is applicable to the ICU layouts in various departments. It is adaptable to all changes and needs for treatment of every disease.

Efficiency

Highly integrated bedside device management system helps caregivers organize medical devices to various clinical needs. It makes efficient use of bedside space with a series of easy-to-use designs, enabling a more efficient workflow for medical staff.

Recovery

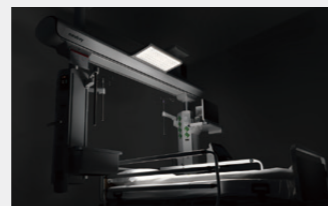
It has been studied that more than half of the ICUs are enclosed spaces, and a poor lighting environment affects the rehabilitation of patients and the work and life of medical staff. HyPort R80 provides integrated lighting solutions to effectively optimize the ICU environment and offer a healthier lighting system.



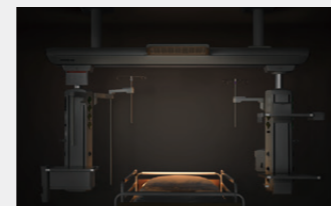
Circadian light



Examination light



Reading light



Navigation light



Folding shelf



Bag-valve-mask management



Braking technology



Partition management



Customized

The best solution for the actual size of your OR/ICU



Better Workflow

- Lifting devices from the ground
- Dry side & wet side separated

Other models



HyPort 3000



HyPort 6000



HyPort 9000



HyPort B30



HyPixel™ R1

4K NIR Endoscope Camera System

Better visibility, greater precision

Designed to fulfill the clinical requirements of minimally invasive surgeries, the HyPixel™ R1 4K NIR endoscope camera system provides real-time fluorescence images of the anatomy structure, enabling surgeons to perform operations with more confidence.



Navigate the operation smoothly via clearer visualization of organs and lesions



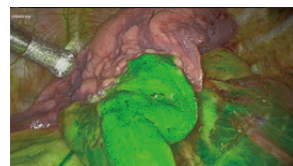
Avoid excessive lymph node dissection via sentinel lymph node mapping



Reduce occurrences of anastomotic leakage based on gastrointestinal perfusion evaluation

See exactly what you need

FluoDirect™ technology provides real-time overlapped fluorescence images for intraoperative tracing and navigation. The technology also delivers a highly sensitive fluorescence signal recognition, displaying clear boundaries between white light images and fluorescence images.



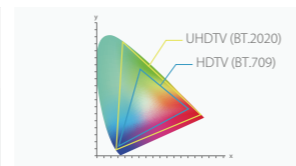
Pulmonary intersegmental plane identification



Mark sentinel lymph node for endometrial cancer

4K resolution with wide color gamut

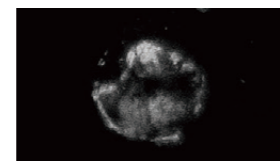
- 3840 x 2160 ultra HD output displays richer detail of tissue textures, allowing for better tissue identification.
- A wider color gamut provides a more native-authentic image, which brings a sharp image of adjacent tissues.



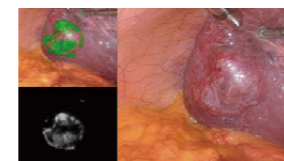
Switch multiple imaging modes with one click



Overlapped mode



Mono mode



Triple split mode

HyPixel™ U1

4K Endoscope Camera System

Simply clear

With the 4K resolution showing even the most infinitesimal details and more vivid color display, Mindray HyPixel™ U1 Endoscope Camera System enables faster and accurate identification of vessels, nodes, nerves, and other tissues for a highest level of surgical safety, and optimizes user experience with a 55-inch monitor.



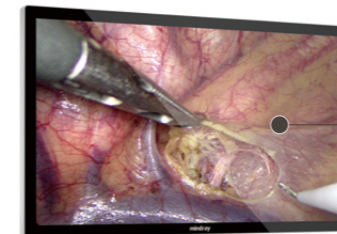
4K Resolution
3840x2160
Ultra-high-definition image presentation



Wide color gamut
Restore the organs and tissues in real color, perfect identification of blood vessels, lymphnodes and nerves



3-200mm depth of field
Within the depth of field, the camera always shows clear image



55" inch immersive experience

The 55" screen can provide a large field of view and an immersive experience and the surgery image is enlarged without losing quality.

Built-in USB recording with bookmark

Video recording and screenshot function can work simultaneously, with the names of screenshots helping simplify video editing.

Easy to move

55" or 31" inch screen and camera system stand on together, which saves OR space and helps the tower move around very easily.



HD3

Endoscope Camera System

Inspiring your vision



Full HD
1920x1080p resolution with optimal color rendition and brightness

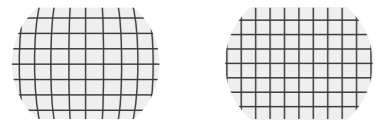
Mindray's HD3 endoscope camera system comes with the advanced 3-chip CMOS sensor, premium optical lens, real-time optimization software and a FHD screen, delivering exceptional image quality and user experiences that enables surgeons to focus on their patients.

Three-chip CMOS full HD camera head

- Better light sensitivity
- Less noise and power consumption
- Higher stability for hemorrhage

UHD laparoscopes

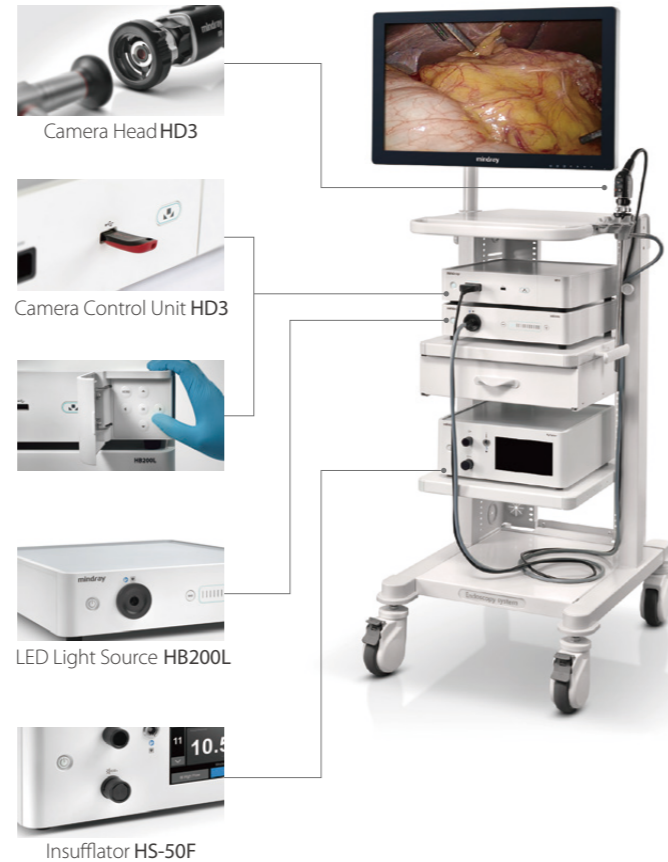
- Advanced molded aspheric lens to get clear and distortion free images
- Different optical port adapters to connect optical fibers
- High-resolution images and better color rendition
- Anti-fog lens technology



Ordinary laparoscope Mindray HD laparoscope

Endoscope light source

- LED Technology
- Approximately equals to 300W Xenon light source
- Color temperature 6500K
- Lamp life > 20000 hours
- Auto detection of light guide cable
- Compatible with other brand cables



Laparoscopic Instruments

Reusable instruments



Safe
Insulated sleeve exposes a shorter metal base to avoid the accidental damage caused by electrical leakage.



Durable
Strictly selected materials plus special production processes greatly extend the product's life.



Ergonomic
One-click to disassemble into three parts for more thorough cleaning and sterilization.

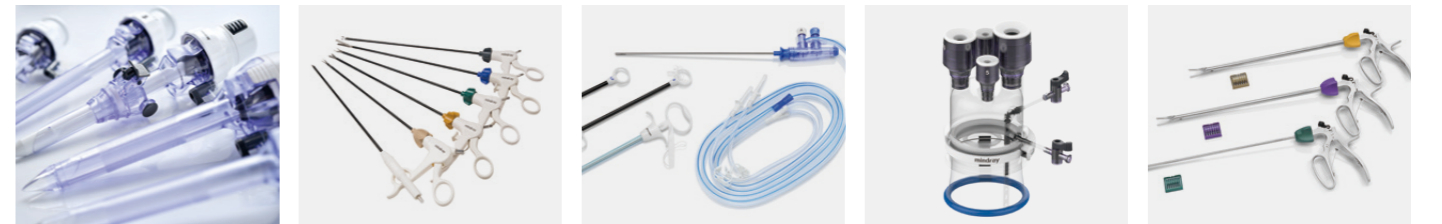


Disposable instruments



Safe reliable disposable instruments

- Rich product series to meet the need of minimally invasive surgery.
- Standard processing of products for constant surgery performance.
- Intuitive interaction and user-friendly design to reduce strain and fatigue.



Ultrasonic Surgical & Electrosurgical Energy Platform

Higher precision, easier operation



UP700 Energy Platform



Ultrasonic + bipolar + monopolar

Consistent stability for cutting and sealing

Real-time energy compensation system, with precise regulation of energy output based on the tissue characteristics for efficient cutting of resilient tissue.



Compact

Integrated ultrasonic surgical and HF instruments

Durable and reliable for complex surgery

Precise design and matching of vibration structure based on the material characteristics supports surgeries lasting up to 10 consecutive hours.

Advanced accurate

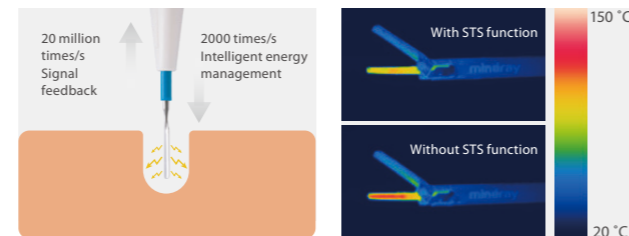
Monopolar: Real-time and accurate energy compensation based on tissue characteristics ensures smooth cutting of different tissues with the HF instrument, with no attenuation for ten years.

Ultrasonic surgical instrument: Automatic reduction of the output power after tissue disconnection allows for lower risk of accidental scalding from the ultrasonic surgical instrument.

Advanced precise

- Thinner and narrower design for easier mobility in gaps
- Rounded edges and corners to avoid blood vessel scratches; all-round coating to reduce adhesion and wiping frequency

Ultrasonic surgical instrument



HyPump Fluid Management System

Reshape the operational safety with simplicity

The HyPump is designed for use in patients requiring irrigation and/or aspiration during hysteroscopy or laparoscopy or surgery, offering efficient and constant protection to optimize the fluid management experience.



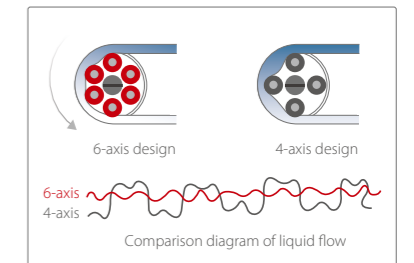
More convenient efficiency first

- The innovative integrated tubing design removes the need to fix the pressure sensing membrane and roller tube separately and saves you the trouble of winding tubes;
- Rapid exhaust + automatic calibration takes just 25 seconds to complete in one go, realizing quicker start-ups.
- Graphic animation guides the operation for surgeons to take control freely and smoothly at will.



Safer constant protection

- The exclusive intelligent algorithm automatically calibrates the patient-machine height differences and endoscopic sheath specifications, intelligently compensates for the differential pressure, and accurately feeds back the real-time pressure.
- The 6-axis rolling pump ensures more stable liquid flow and fully avoids fluctuations in pressure.
- The main interface displays the deficit and irrigation time for real-time monitoring and early alerting, effectively preventing TURP syndrome.



More economical durable design

- Comprehensive protection more than IPX2 ensures long-term high-quality performance of precision components.
- The tubing can withstand 50-time sterilizations.



