

## BeneVision

See more With ease

## N17/N15/N12

Patient Monitor



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**mindray**  
healthcare within reach

# User experience enhanced by leading technologies

## BeneVision N17/N15/N12

We continually dedicate ourselves to improving clinical safety and efficiency, which, we believe, can be achieved with excellent operational design. With state-of-the-art screen technology, BeneVision™ N-Series patient monitors deliver clear, multi-color, wide-format displays for users to capture and review information at a glance. With multi-touch operation, users can control the monitor and review patient data quickly and easily.



HD display

A dashed-line box containing the text "HD" and "1920x1080" next to a small monitor icon.

The N17 and N15 provide a 1920x1080 HD view

Wide viewing angle

A dashed-line box containing a wide-angle icon and the text "178°".

N-Series monitors can be viewed from virtually any angle

Auto brightness

A dashed-line box containing a sun icon with a vertical slider and up/down arrows.

Displays adapt to ambient light automatically

Flat UI

A dashed-line box containing a hand icon and the text "90% → 2 steps".

Intuitive operation can reduce training time and speed workflow

Multi-touch operation

A dashed-line box containing an icon of a hand with multiple fingers touching the screen.

Display layout can be changed with simple swipe gestures

# Clinical insight improved by professional applications

Everyday, Mindray delivers accurate, real-time, physiological measurement data from millions of patients worldwide, which clinicians have come to rely on when making clinical decisions.

BeneVision N-Series provides the world's best monitoring technologies for you, with new applications being developed.

## Cardiology

- Patented CrozFusion™ algorithm for accurate ARR detection
- ST monitoring and ST segment templates
- Real-time QT/QTc measurement
- Glasgow 12-lead resting interpretation

## Hemodynamics and volumetric

- Classic C.O. measurement with the SwanGanz catheter
- Less-invasive PiCCO and FloTrac monitoring
- Non-invasive cardiac output with ICG module
- Integrated CCO module with Edwards machine

## Airway gas and lung mechanics

- One-slot CO<sub>2</sub>+O<sub>2</sub> module
- Volumetric CO<sub>2</sub> and metabolic measurements
- AION Multi-Gas +SPIRIT respiratory mechanics

## Tissue perfusion

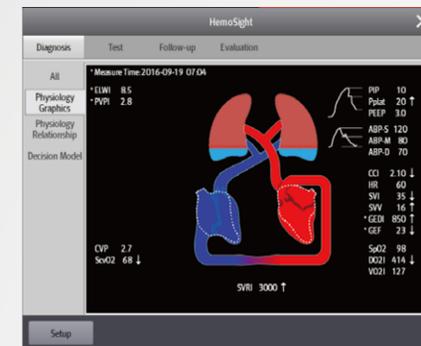
- INVOS rSO<sub>2</sub> module for regional oxygen saturation measurement
- Patented CQI Index to indicate CPR resuscitation quality of the patient

## Neurology

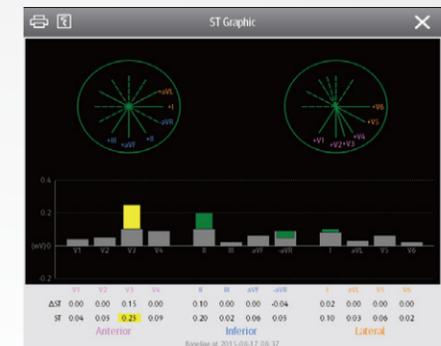
- 4 channels EEG/aEEG
- BIS/BISx4
- Advanced NMT
- ANI module for analgesia monitoring



The BeneVision N-Series offers powerful Clinical Assistive Applications (CAAs) to support efficient decision making when time is critical. Each CAA focuses on major clinical workflow challenges that individual departments face.



**HemoSight™**  
Helps clinicians make decisions through sets of haemodynamic assistive applications.



**ST Graphic™**  
Helps clinicians to quickly assess ST segment elevations and depressions.



**SepsisSight™**  
Provides a checklist to help clinicians screen, diagnose and treat septic patients according to the SSC guidelines.



**GCS**  
Glasgow Coma Scale. Records the consciousness level of patients for initial as well as subsequent assessments.



**BoA Dashboard™**  
Helps to achieve optimal anaesthesia throughout the peri-operative period.



**EWS**  
Early Warning Score. Helps with recognizing patients whose physiological conditions are at risk of deterioration.

# Solutions optimized for each point of care

Mindray provides a flexible solution for monitoring your patient's status anywhere, anytime, even on your way through mobile devices. At every point of care, such as ICU, CCU, NICU, OR, PACU, ER, BeneVision N-Series patient monitors always provide a suitable solution to meet your clinical needs. You can customize the monitor for a specific patient or for acuity requirements.



With Mindray's excellent transport solution, patient data can be seamlessly transferred between patient monitors. N series patient monitor brings a smooth workflow and safe data management through the entire care process.

All details are designed to help medical staff focus on patients. Flat UI, more hotkeys, remote control, barcode scanner, etc., BeneVision takes less time to operate, and helps you understand the patient's variables quickly.



With HL7, N-Series patient monitors can directly connect to the hospital clinical network. Comprehensive clinical data from the monitor as well as BeneLink-connected devices is sent directly to your EMR/HIS. Or the patient information is sent to monitor through ADT.

As a portable compact patient monitor, the N12 is capable of monitoring multiple parameters simultaneously both at bedside and during transport.



# IT structure designed for seamless connectivity

Based on Layer 3 network structure, Mindray patient monitoring system incorporate 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.

BeneVision patient monitors provide seamless integration with other bedside devices, such as ventilators, anesthesia systems, and infusion pumps, through the BeneLink module. Mindray's central station and eGateway further enhances the connectivity of BeneVision to your clinical world. Bedside devices data and other clinical systems data are shared to support your diagnosis and clinical decisions.

iView can run your own clinical applications (such as PACS, LIS, HIS/CIS, and EMR) on one intuitive view and connect with the hospital network infrastructure directly without any additional server or gateway.

