



The Mindray BeneVision N1 is a compact 3-in-1 solution designed to adapt to the monitoring needs across a hospital. Part of the N-Series premier patient monitoring platform, the BeneVision N1 features an intuitive smartphone-style display and essential parameters, enabling high-quality, patient-centric care. The N1 serves as a comprehensive multi-parameter module, a powerful transport monitor and a versatile bedside monitor – all in one.

As the core module for the N-Series, BeneVision N1 includes all your standard parameters. When combined with the many advanced parameter modules within an N-Series monitor, this solution flexes up to support your most critically-ill patients. Enabling a complete patient record, N1 helps keep your patients safe on transport while also easing the logistics of ambulating. Simply slide the Mindray N1 from the bedside monitor and you're off; N1 instantly converts to a wireless transport monitor, maintaining continuity of data with the BeneVision DMS/EMR. When connecting to the Mindray 22" touchscreen display, N1 has full bedside monitoring capability plus features such as multiple screen layouts and configurable quick keys, providing versatility to meet the needs of many hospital departments.

Features

- Compact, lightweight (2.0 lbs)
- 5.5" capacitive touchscreen display with multi-gesture control
- Innovative design eliminates difficult-to-clean seams and gaps
- Consistent intuitive user interface across N-Series platform
- Supports display of up to 5 waveforms
- Comprehensive standard measurements include 3, 5, 6-lead ECG, Masimo RD SET® SpO2, 2 IBP, NIBP, respiration, and 2 temperatures
- Arrhythmia analysis with QT/QTc interval monitoring and atrial fibrillation (Afib) detection. Optional ST analysis.
- Extensive data storage plus up to 48 hours of full disclosure
- Serves as the core parameter module for N-Series monitors
- Flexible transport solution with optional integrated or modular CO2
- IP44 grade particle and water resistant
- 1.2 m drop test endurance
- Multiple mounting solutions including transport module rack with bedrail hooks
- Standard 2.4/5 GHz dual band wireless communication
- Defibrillator synchronization
- Battery run time of 8 hours (without integrated CO2)



Specifications

Dimensions

Height: 4 in (10.3 cm)
width: 5.9 in (cm)
Depth: 3.2 in (8.1 cm)
Weight without integrated cO2: 2.0 lbs (0.95 kg)
Weight with integrated Co2: 2.9 lbs (1.3 kg)

Power

Input: 12 VDC ($\pm 10\%$), 2 A, 1.0 A to 0.6 A
AC Adapter Input: 100 to 240 VAC (-15%, +10%), 50/60 Hz
Output: 12 VDC ($\pm 10\%$), 2.5 A
Docking Station Input: 100 to 240 VAC ($\pm 10\%$), 50/60 Hz
Input Current: 0.65 A to 0.35 A

Battery

Type: Rechargeable lithium-ion
Capacity: 2500 mAh, 7.56 VDC
Number of Battery: 2 without internal CO2 1 with internal CO2
Run Time: When powered by two new fully-charged batteries at $25^{\circ}\text{C}\pm 5^{\circ}\text{C}$ with 5-lead ECG, SpO2, and auto NIBP measurements every 15 min, and factory default screen brightness, Wi-Fi disabled. >8 hr without internal CO2
When powered by one new fully-charged battery at $25^{\circ}\text{C}\pm 5^{\circ}\text{C}$ with 5-lead ECG, SpO2, IBP, CO2 sampling, and auto NIBP measurements every 15 min, and factory default screen brightness, Wi-Fi enabled. >3 hr with internal CO2
Recharge Time: When the monitor is off: 6 hours to 90% Without internal CO2 module 3 hours to 90% With internal CO2 module

Enviromental conditions

Operating Conditions
0°C to 40°C Main unit, Docking station, Modular rack, Transport dock, AC adapter and external Microstream CO2 module
5°C to 40°C External Sidestream CO2 module
Storage Conditions
-30°C to 70°C Main unit, Transport dock, AC adapter
-20°C to 60°C Docking station, Modular rack, Microstream/ Sidestream CO2,
Operating Humidity
5 to 95% (non condensing) Main unit, Transport dock, AC adapter
15 to 95% (non condensing) Docking station, Modular rack, Microstream/ Sidestream CO2
Storage Humidity
5 to 95% (non condensing) Main unit, Transport dock, AC adapter
10 to 95% (non condensing) Docking station, Modular rack, Microstream/ Sidestream CO2