

BeneVision N-Series Monitor and Module Guide

BeneVision N-Series Monitors

Mindray's premier continuous patient monitoring solution offering a platform-wide modular design with expansive parameter options.



BeneVision N1 Monitor/Module

- Multi-parameter module and transport monitor with 5.5" touchscreen display
- ECG, Masimo SET™ Technology SpO₂ (available Nellcor® OxiMax™), Respiration, Dual Invasive Blood Pressures, Temperature, NIBP
- Integrated CO₂ and 12-lead ECG option
- Adult, Pediatric, Neonate
- Occupies two slots



N12

- 12" bedside monitor with four integrated module slots



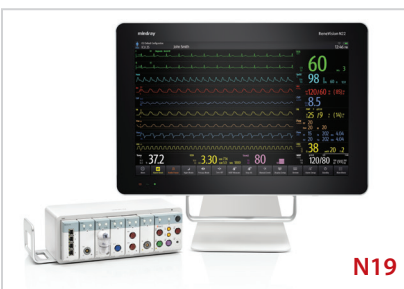
N15

- 15" bedside monitor with six integrated module slots



N17

- 18.5" bedside monitor with six integrated module slots



N19

- 19" flat panel, portrait or landscape view, bedside monitor
- Eight module slots with satellite module rack (SMR)



N22

- 22" flat panel, portrait or landscape view, bedside monitor
- Eight module slots with satellite module rack (SMR)

BeneVision N-Series External Module Housing



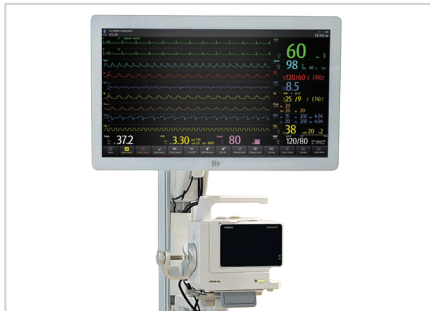
N1 Docking Station

- Provides dock location and power supply for the N1 with TMR
- Can be tethered externally to N12, N15, N17, N19, N22



Transport Module Rack (TMR)

- For use with N1 Monitor/Module
- Additional module slot for either one CO₂ or one IBP module



Mindray 22" ELO Display

- Docking station connection provides bedside monitoring capability when TMR with N1 is docked



Satellite Module Rack (SMR)

- Provides eight module slots
- Compatible modules: N1 Monitor/Module, N-Series parameter and multi-parameter modules
- Compatible monitors: N15, N17, N19, and N22

BeneVision N-Series Parameter Modules

The N-Series parameter and multi-parameter modules are designed to support monitoring in hospital care areas when used with the N-Series bedside monitors. Depending on the module type, host device software version and the clinical application, they provide reliable, real-time data to help inform the care you deliver to your patients.



Platinum MPM

- ECG, Masimo SET RD™ SpO₂ (available Nellcor® OxiMax™), Respiration, Dual Invasive Blood Pressures, Temperature, NIBP
- 12-lead ECG option
- Adult, Pediatric, Neonatal use
- Occupies two slots



Sidestream CO₂

- Monitors respiratory rate, etCO₂ measurement and waveforms
- Adult, Pediatric, Neonatal use
- Occupies one slot



Agent Gas

- Five-agent anesthetic gas with etCO₂ and O₂ monitoring
- Adult, Pediatric, Neonatal use
- Occupies two slots



Microstream™ CO₂

- Monitors respiratory rate, etCO₂ measurement and waveforms
- Adult, Pediatric, Neonatal use
- Occupies one slot



Agent Gas with BIS™

- Five-agent anesthetic gas with O₂ and BIS monitoring
- Adult, Pediatric, Neonatal – AG
- Adult, Pediatric – BIS
- Occupies two slots



INVOS™ rSO₂

- Monitors regional oxygen saturation (rSO₂)
- Adult, Pediatric, Neonatal (greater than 2.5 kg)
- Occupies one slot



BIS™ 2-ch or 4-ch

- Bispectral Index (BIS™) monitoring
- Adult and Pediatric use
- Occupies one slot



aEEG

- Continuously monitors EEG signal from up to four channels
- Adult, Pediatric, Neonatal use
- Occupies one slot

BeneVision N-Series Parameter Modules (cont'd)



EEG

- Continuously monitors EEG signal from up to four channels
- Adult, Pediatric, Neonatal use
- Occupies one slot



CO

- Cardiac output monitoring using thermodilution method
- Adult use
- Occupies one slot



SpO₂b Masimo

- Adult, Pediatric, Neonatal use
- Occupies one slot



FloTrac™

- Edwards FloTrac™ advanced hemodynamic monitoring
- Adult use
- Occupies one slot



SpO₂b Nellcor

- Adult, Pediatric, Neonatal use
- Occupies one slot



CCO/SvO₂

- Continuous cardiac output and mixed venous oxygen saturation monitoring when interfaced with applicable Edwards critical care monitors
- Adult and pediatric use
- Occupies one slot



NMT

- Neuromuscular transmission monitoring
- Adult and Pediatric use
- Occupies one slot



IBP

- Invasive blood pressure monitoring
- Adult, Pediatric, Neonatal use
- Occupies one slot

BeneVision N-Series Parameter Modules (cont'd)



Temperature

- Continuous temperature monitoring
- Adult, Pediatric, Neonatal use
- Occupies one slot



BeneLink

- Integration module for external device connectivity
- Serial communication protocol
- Occupies one slot



Recorder

- 3-ch thermal strip recorder (for N19 and N22 only)
- Occupies two slots

BeneVision N-Series Monitor and Module Configurations

	N1 Monitor/ Module	N12 Monitor	N15 Monitor	N17 Monitor	N19/ N22 Monitor
Screen Size	N1= 5.5" ELO Display = 22"	N12 = 12"	N15 = 15"	N17 = 18.5"	N19 = 19" N22 = 22"
# Waveforms	Up to five on N1 Up to eight with 22" ELO Display	Up to eight	Up to 10	Up to 12	Up to 13 horizontal Up to 16 portrait
Integrated Slots in the Monitor Housing	One slot available with TMR	Up to four available slots	Up to six available slots	Up to six available slots	Up to eight available slots with each SMR Up to one available slot with TMR
Integrated slots with Monitor and TMR	Three available	Seven available	Nine available	Nine available	Three available
Integrated Slots with Monitor and SMR	N/A	N/A	14 available	14 available	24 available
External Housing Options	TMR	TMR	Option to add TMR or SMR	Option to add TMR or SMR	TMR, SMR, or TMR/SMR Up to three housing units and 24 available slots

NOTE: The BeneVision N1 or MPM is required for monitoring with N-Series bedside monitors

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