# nëo™

## simplified Cerebral Function Monitoring (CFM)

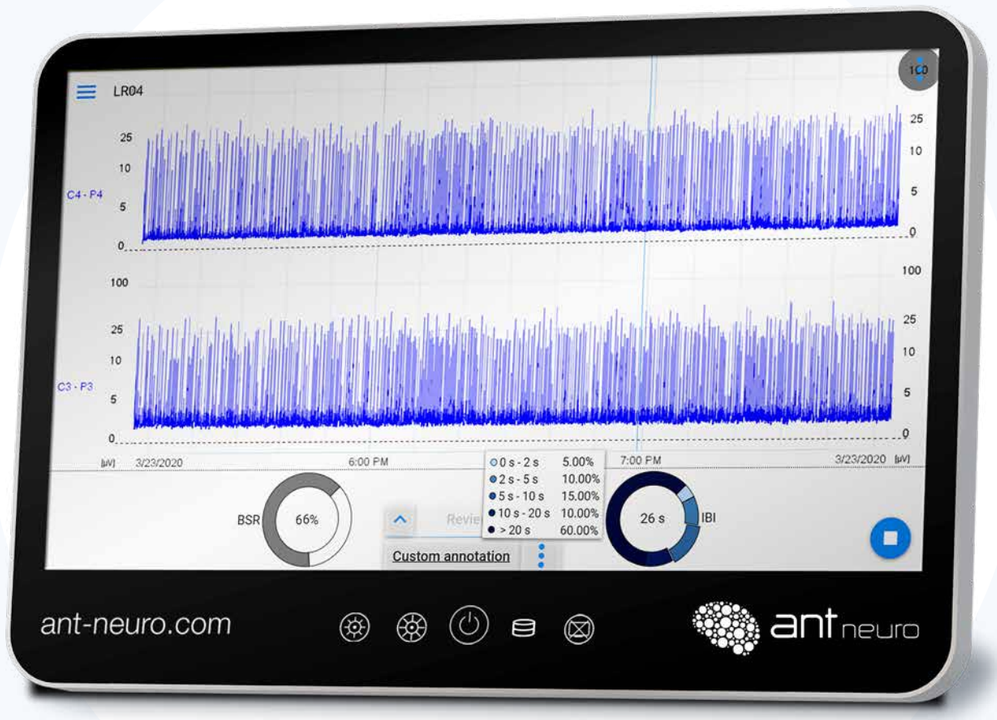

The first aEEG monitoring solution optimized
for every care-taker in the NICU.

ant neuro
inspiring technology

nëo™

# Simplified Cerebral Function Monitoring (CFM)

**The nëo™ Monitor System is the easiest-to-use neonatal CFM solution available. Designed specifically to account for NICU workflows – from electrode application, to initiating and reviewing up to 8 channels of aEEG/EEG bedside monitoring. The nëo CFM provides clinicians important information about neonatal brain status and easily integrates into the busy NICU's neonatal brain monitoring protocols.**




The latest in CFM products, **n**ëo incorporates a state-of-the-art, medical grade, touchscreen all-in-one PC system with ANT Neuro's proprietary CFM Software. It provides aEEG (amplitude integrated EEG), real time EEG and the measurement of impedance in 1, 2, and up to 8 channel configurations. The easy to navigate user interface allows real time monitoring of brain function, providing vital data that may assist in predicting outcomes. The **n**ëo monitor offers CFM functionality that is unsurpassed in the industry.

- Simple setup: apply the electrodes and two clicks to record
- Intuitive navigation and flexible patient settings
- High quality data with less artifacts and less misinterpretation
- Exclusive access to shielded caps that are quick to apply


## Research Grade Amplifier

provides high input impedance for improved signal quality

## Access To Single Lead Electrodes

allows compatibility to gold cup, hydrogel, and subcutaneous needle electrodes

## neonatal **wave**guard™ caps

| Sizes | | Head circumference Min. (cm) | Head circumference Max. (cm) | Head circumference Min. (in) | Head circumference Max. (in) | Fabric color scheme | | |
|---|---|---|---|---|---|---|---|---|
| **C** | Child | 43 | 47 | 16.9 | 18.5 | ● | ● | ● |
| **I** | Infant | 39 | 43 | 15.4 | 16.9 | ● | ● | ● |
| **B** | Baby | 36 | 39 | 14.2 | 15.4 | ● | ● | ● |
| **N5** | Neonatal | 33 | 36 | 13 | 14.2 | ● | ● | ● |
| **N4** | Neonatal | 31 | 33 | 12.2 | 13 | ● | ● | ● |
| **N3** | Neonatal | 29 | 31 | 11.4 | 12.2 | ● | ● | ● |
| **N2** | Neonatal | 27 | 29 | 10.6 | 11.4 | ● | ● | ● |
| **N1** | Neonatal | 25 | 27 | 9.8 | 10.6 | ● | ● | ● |

Size indication serves as a guideline only

# Technical Specifications

| Touch Screen Monitor | |
|---|---|
| Weight | 4.5 kg |
| Screen size | 15”, 16:9 Ratio |
| Dimensions | 385 x 290 x 45 mm |
| Resolution | 1920 x 1080 Pixel Full-HD |
| Mount | Integrated VESA-100 interface |

| Data Acquisition | |
|---|---|
| Bipolar channels | 6 |
| Referential channels | Max. 8 |
| Max. Sampling Rate | 512 Hz |
| Resolution | 24 bit |
| Input impedance | >1 GΩ |
| Shielding | Actively shielded inputs |
| Amplifier size | 86 x 100 x 16 mm |
| Input signal range | 150 – 1000 $mV_{pp}$ |

| Software | |
|---|---|
| Operation System | Windows 10 (64bit) |
| Monitoring features | Real-time EEG aEEG (computed)<br>Continuous Burst-Suppression-Ratio (BSR)<br>Continuous Inter-Burst-Interval (IBI)<br>Impedance measurement<br>Event markers<br>Online review mode |

| Hardware | |
|---|---|
| Processor | Intel Core™ i5 |
| Working Memory | 8 GB |
| Connectivity | 1x USB 3.0 |
| Storage | mSATA 250GB SSD |
| Graphics | Intel® HD Graphics GT-Series |
| Power supply Unit | Integrated power supply (100-240V) |

# Cybersecurity

The **n**ëo™ Monitor System incorporates current best practices to address Cybersecurity hardening. The system’s security measures are designed to ensure the safety of the product and to safeguard sensitive information such as patient data.

1. Encryption of the hard drive
2. Encryption of patient data in the database
3. Credential management at key access points

**n**ëo™ is CE marked as a medical device in the EU, according to MDD 93/42/EEC, CE class IIa, and has received FDA 510(k) clearance in the USA. **wave**guard™ caps and accessories are CE marked as medical device in the EU, according to MDD 93/42/EEC, CE class I, and have received FDA 510(k) clearance in the USA. Manufactured by eemagine Medical Imaging Solutions GmbH, Berlin, Germany, ISO 13485 certified. ANT Neuro and eemagine are part of the neuromotion group.

For more information about **n**ëo™ and the regulatory status in your country, contact us at sales@ant-neuro.com.

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