

eego™rt

high-density eeg solution with real-time data access



Connecting minds - think about it.

high-density eeg solution with real-time data access

Good things come in small packages - just as the latest development of ANT Neuro – the **eego** rt solution. **eego** rt comprises everything needed for brain-computer interfaces (BCI), neurofeedback and related fields in a compact tablet-sized device, available in three standard configurations for direct access high-density EEG recordings of up to 16, 32 or 64 channels.

This class IIa medical device assures high-quality data streams with outstanding resolution of 24 bit and a sampling rate of up to 2048Hz. In combination with our **waveguard** caps, the active shielding technology of **eego** rt results in excellent data quality even under the toughest conditions. Grid noise interference and movement artefacts are a thing of the past.

Working on making the next generation communication device for locked-in patients? Helping children battle ADHD with neurofeedback? No matter your application, **eego** rt will deliver highest quality, high-density EEG signals right to your software. Due to the out-of-the-box integration with major freely available BCI packages and attractive pricing, **eego** rt will kick start your research.

Core features & benefits

- Small, highly portable solution with attractive pricing for recordings of up to 64 channels
- Direct data access through an API for BCI, neurofeedback, neurorehabilitation, neurogaming and other applications
- Active shielding technology for outstanding signal quality
- 3 standard system set-ups can easily be extended with a variety of different accessories
- Works out-of-the-box with major BCI packages
- CE Class IIa medical device



eego amplifier technical specifications

Dimensions (w x d x h)	160 x 205 x 22 mm
Weight	< 500 gram
Number of referential channels	16, 32 or 64
Noise	< 1.0 uV rms
Referential input signal range	150 -1000 mV pp
Input Impedance	> 1GOhm
CMRR	> 100 dB
Max. sampling rate	2048 Hz
Resolution	24 bit
Bandwidth	DC (0Hz) – 0.26* Sampling Frequency
Trigger input	8-bit TTL
USB output interface	USB 3.0 compatible, electrically separated
Battery	Integrated
Operation time	Up to 5 hours

eego™rt applications



Neurorehabilitation



Brain-computer interfaces



Mental state monitoring



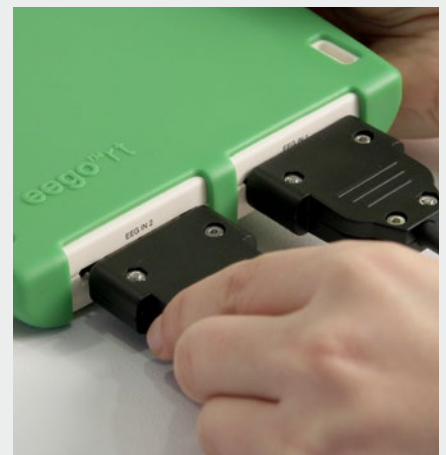
Neurofeedback

Smart solution for optimal output

Geared up with the latest technological advances, and designed for fast set-up, **eego rt** provides researchers with the ultimate solution for experiments, irrespective of their expert level. It is well suited for both novice and advanced users.



The lights located on the upper left and right side indicate when data is being acquired.



The plug & play solution allows quick set up times.

eego™rt product range

System components	eego rt 16 ES-100	eego rt 32 ES-101	eego rt 64 ES-102
eego amplifier	16-channel eego amplifier, 2 kHz, CE Class IIa medical device	32-channel eego amplifier, 2 kHz, CE Class IIa medical device	64-channel eego amplifier, 2 kHz, CE Class IIa medical device
waveguard eeg cap* - sizes B, I, C, S, M and L	16-channel waveguard cap (free choice of size) or touch-proof adapter	32-channel waveguard cap (free choice of size) or touch-proof adapter	64-channel waveguard cap (free choice of size) or touch-proof adapter
DB25 trigger adapter	✓	✓	✓
eego rt API	✓	✓	✓
Warranty	eego amplifier: 2 years waveguard cap: 1 year	eego amplifier: 2 years waveguard cap: 1 year	eego amplifier: 2 years waveguard cap: 1 year
Support	6 months of free remote support	6 months of free remote support	6 months of free remote support

The system comes with an extensive list of available product options and accessories to accommodate your needs. Additional remote and on-site trainings are available upon request.

CE **eego**™ is CE marked as a medical device in the EU, according to MDD 93/42/EEC, class IIa. Outside the EU the system is intended for research and educational purposes only.

waveguard caps are compliant with international standards for use in clinical environments. The caps are CE marked and have a MDL issued by Health Canada. The **waveguard** caps have been granted Medical Device clearance under FDA 510(k); with exception to the neonatal caps, which are outside the EU and Canada intended for investigational use only.

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Information in this document is subject to change.

www.ant-neuro.com/products/eego_rt