

eego™rt

high-density EEG solution with real-time data access



Connecting minds - think about it.

eego™rt

high-density EEG solution with real-time data access

Good things come in small packages just as 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 8, 32 or 64 channels.

These class IIa medically certified **eego** amplifiers assure high-quality data streams with outstanding resolution of 24 bit and a sampling rate of up to 2048Hz. In combination with our **waveguard™** original and **waveguard™** touch caps, the active shielding technology of **eego rt** results in excellent data quality even under the toughest conditions.

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



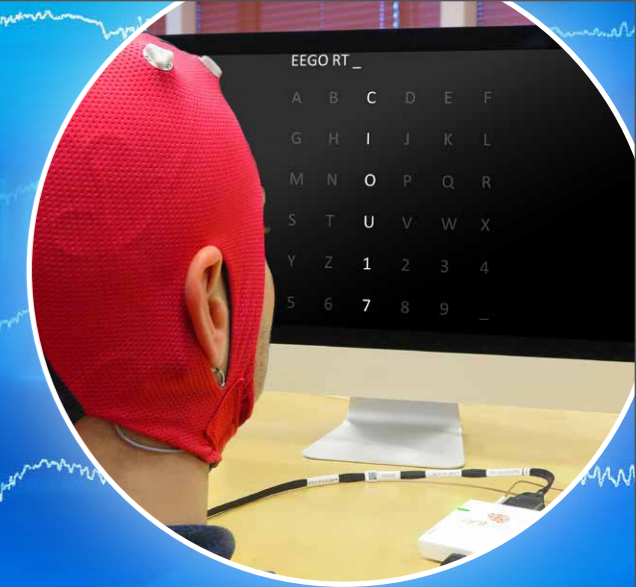
eego amplifier technical specifications

eego amplifier	8 channel (EE-4xx)	32 and 64 channel (EE-2xx)
Dimensions (w x d x h)	86 x 100 x 16 mm	160 x 205 x 22 mm
Weight	< 100 gram	< 500 gram
Number of referential channels	8	32 or 64
Noise	< 1.0 µV rms	< 1.0 µV rms
Referential input signal range	150 -1000 mV pp	150 -1000 mV pp
Input Impedance	> 1G Ω	> 1G Ω
CMRR	> 100 dB	> 100 dB
Max. sampling rate	2048 Hz	2048 Hz
Resolution	24 bit	24 bit
Trigger input	2-bit TTL	8-bit TTL
USB output interface	USB 3.0 compatible, electrically separated	USB 3.0 compatible, electrically separated
Battery	No integrated battery	Integrated
Operation time	Depends on host device battery	Up to 5 hours

eego™rt applications



Neurorehabilitation



Brain-computer interfaces



Neurofeedback



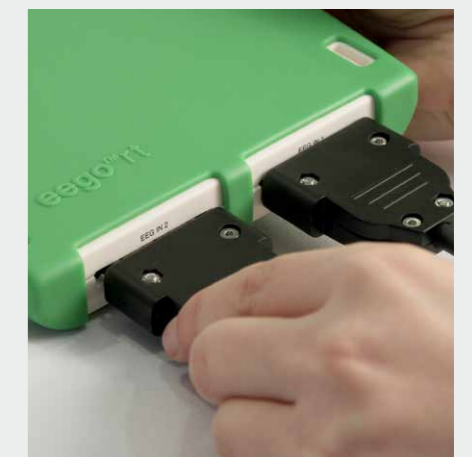
Mental state monitoring

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 8 ES-103	eego rt 32 ES-101	eego rt 64 ES-102
eego amplifier	8-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	8 ch waveguard original cap optional cap exchange: 8 ch waveguard touch cap	32 ch waveguard original cap optional cap exchange: 64 ch waveguard touch cap	64 ch waveguard original cap optional cap exchange: 64 ch waveguard touch cap
Touch-proof adapter available	--	✓	✓
DB25 trigger adapter	✓	✓	✓
Software Development Kit (SDK)	✓	✓	✓
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

* Not available for **waveguard** touch caps

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

eego™amplifier is CE marked as a medical device in the EU, according to MDD 93/42/EEC, class IIa.
waveguard™ caps are CE marked as medical device in the EU, according to MDD 93/42/EEC, class I.
Manufactured by eemagine Medical Imaging Solutions GmbH, Berlin, Germany, ISO 13485 certified.
ANT Neuro and eemagine are part of the neuromotion group.

The information in this document is not intended for users outside the European Union.
For use outside the EU please send your inquiry to sales@ant-neuro.com

ANT Neuro b.v., Hengelo, The Netherlands,
tel: +31 (0) 850 498 175, fax: +31 (0) 850 493 919,
internet: www.ant-neuro.com, e-mail: info@ant-neuro.com

Information in this document is subject to change.

www.ant-neuro.com/products/eego_rt

