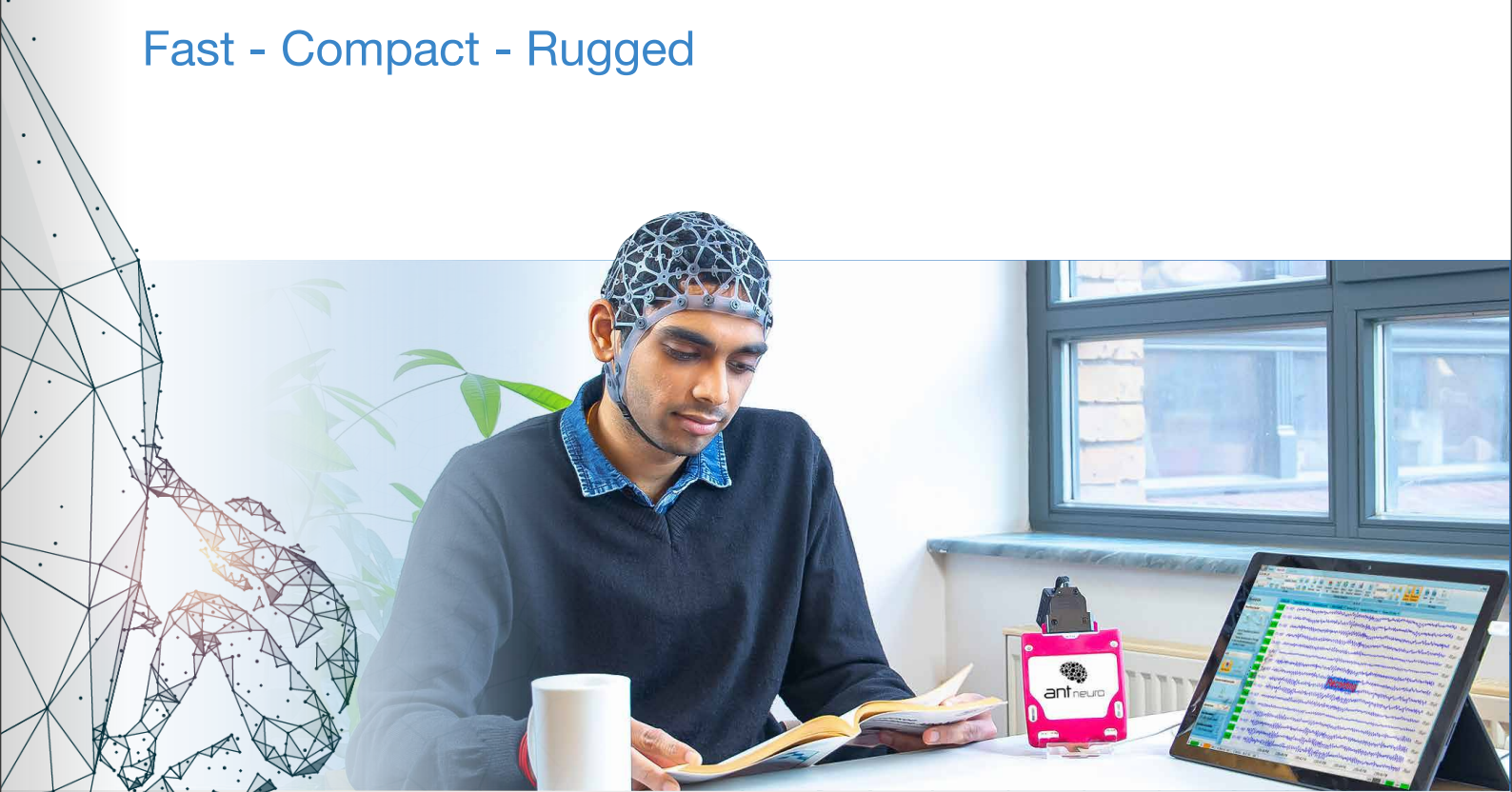


eego™ 24

Fast - Compact - Rugged



eego™ 24

Record mobile EEG anywhere with ease and convenience

The new 24ch eego™ amplifier is intended to be the go-to solution for mobile/portable EEG research applications that require up to 24ch system with quick setup times for monitoring brain activity in real-time and with the same data quality as the other eego products.

The lightweight USB powered 24 channel EEG amplifier is designed for ease of use and operates entirely via USB power from the recording computer. The amplifier is designed for continuous operation, making it a tool for recording EEG on the go in real-life studies.

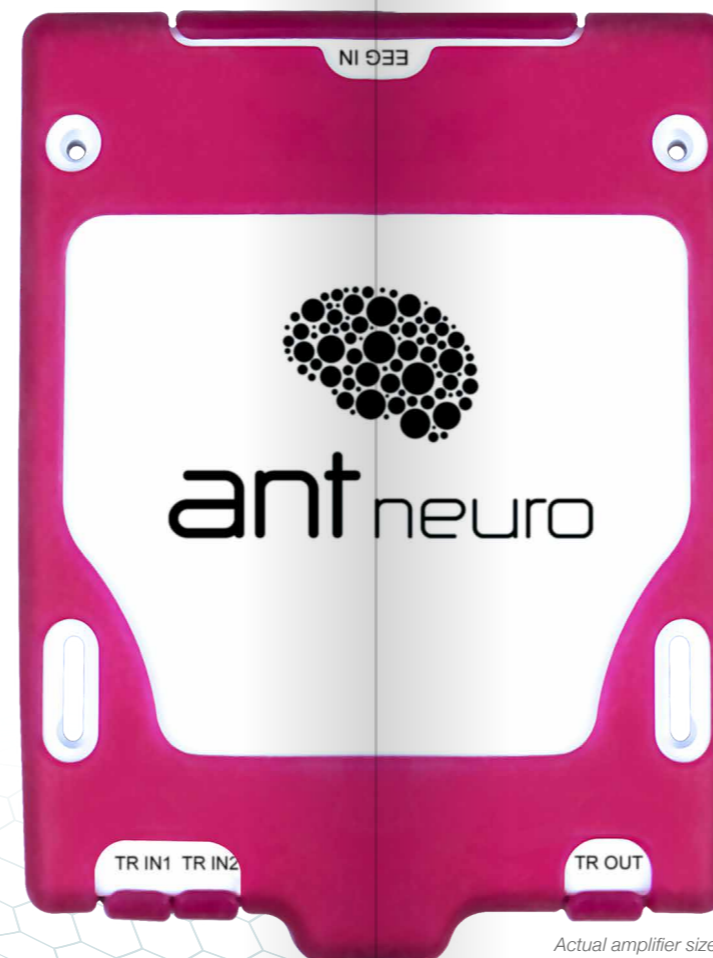


Compatible with waveguard™ net

The amplifier is fully compatible with the saline soaked waveguard net. The 24ch shielded net with the amplifier provides a complete EEG solution that is **quick to prepare**, **simple to use** and provides research grade data quality even in adverse environments.

Core Features and benefits

- The amplifier has 24 actively shielded referential EEG inputs
- Lightweight, compact and operates entirely via USB power from the recording computer
- Enclosure protection class IP22 according to EN 60529 against the intrusion of small objects (e.g., fingers), accidental contact, and dripping water
- Mechanically protected with the softshell to work in most unpredictable environments
- Capable of 24-bit resolution and maximum sampling frequency of 4kHz
- Medically certified SDK provides real-time data access for BCI and neurofeedback applications
- 4 bipolar channels for recording physiological data synchronized with the recorded EEG
- 2 TTL inputs for recording triggers from third-party devices
- 1 TTL output for sending triggers to third-party devices (through SDK only)
- Fully supported by our user friendly eego recording software package

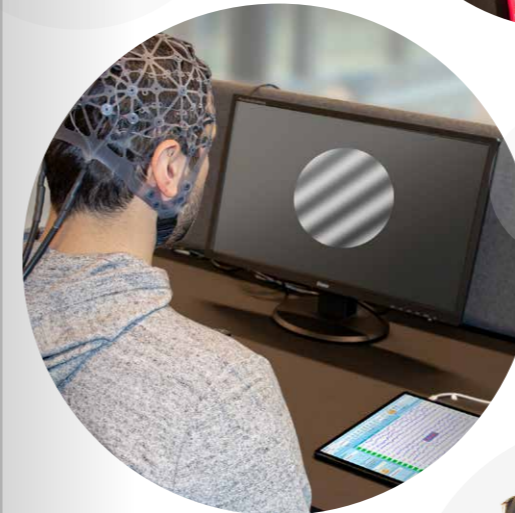


Actual amplifier size



Fast setup and recording

The amplifier is powered via USB from the recording device without an on/off switch, and is **capable of continuous operation** without internal battery. You can start recording from the moment you plug in the USB cable into the recording device, making it most suitable for recording EEG, even outside the lab applications.



High-quality signal

All EEG channels are equipped with ANT Neuro's **active shielding** technology to deliver high quality EEG channels for on-the-go applications. The active shielding technology reduces environmental interference and provides high signal quality in situations where subject is physically active.



Easy to integrate

The amplifier is ideal for integrating into your own software application. The **complimentary medically certified SDK** sets you up for a quick start of your research or development.

eego 24 amplifier technical specification

Dimension (w x d x h)	115 x 90 x 20mm
Weight	<100g
Number of referential channels	24 actively shielded
Number of bipolar channels	4
Noise	< 1.0 μ Vrms (lowest sampling rate and signal range)
Referential input range	150 – 1000 mVpp (programmable gain)
Input impedance	>1 G Ω
CMRR	>100dB
Max. sampling rate	4096 Hz
Resolution	24 bits
Trigger input	2-bit TTL, electrically separated from patient leads
Trigger output	1-bit TTL, electrically separated from patient leads
USB interface	USB 2.0, electrically separated from patient leads
Battery/Power supply	No battery, powered by recording device via USB interface
Operation time	Dependent on USB power source/recording device

Range of 24 channel **eego** solutions

System components	eego mylab 24	eego sports 24	eego rt 24
Product code	ES-304	ES-236	ES-104
Referential channels	24	24	24
Bipolar channels	4	4	4
Max. sampling rate	4 kHz	2 kHz	4 kHz
eego software recording, review and export	✓	✓	--
Recording devices	Windows laptop / desktop PC	Windows tablet / optional laptop / PC	--
eego sports backpack	--	✓	--
Compatible with SDK	✓	✓	✓
waveguard cap/net (optional) sizes B, I, C, S, M, L	✓	✓	✓

Compatible with 24ch **waveguard** net (NA-245)



Compatible with 24ch **waveguard** original cap (CA-505)



Amplifier also compatible with the dry electrode-based **waveguard** touch caps

Other compatible accessories:

- XS-432 Trigger adapter 2xMCX to DB25
- XS-294 BNC to MCX Trigger Adapter

Additional options for you:

- **eego** archive server – for easy archiving of recordings on a high-capacity hard disk
- Synchronized video recording
- Remote or on-site training options are available upon request

The **eego**™ amplifiers and **waveguard**™ caps are CE marked medical devices, following the applicable EU regulations.

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.

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