

eego™ hub

From the cap to the cloud



Fully integrated standardized high-density EEG solution



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eego™ hub system offers an all-in-one standardized high-density EEG recording solution and makes High-density EEG recordings a breeze, even for demanding research applications. eego hub has been carefully designed to serve the needs of multimodal brain research with an uncompromised EEG sampling rate of up to 16kHz and straightforward connections to a variety of physiological sensors. It is ideal for laboratory-based research and publishing high-quality EEG data.

Benefits of the eego™ hub solution:

- Stationary high-density EEG solution with 128 or 256 EEG channels
- In-built high-performance PC
- In-built dedicated hardware to run ERP studies
- Uncompromised EEG with up to 16 kHz sampling rate
- Input for additional 10 bipolar and 14 auxiliary channels
- Compatibility for ExG, auxiliary sensors such as accelerometers, video, and SpO2
- Excellent EEG signal quality through active shielding and high input impedance
- Dedicated 7-bit TTL trigger input for ERP studies and real-time synchronization
- Complimentary SDK for real-time data access for BCI, and neurofeedback applications (up to 64 channels)

Prepare for high-density EEG recordings in no time

Pairing eego hub with the saline-soaked waveguard™ nets provides a high-density solution that is quick to set up and delivers research-grade EEG data.



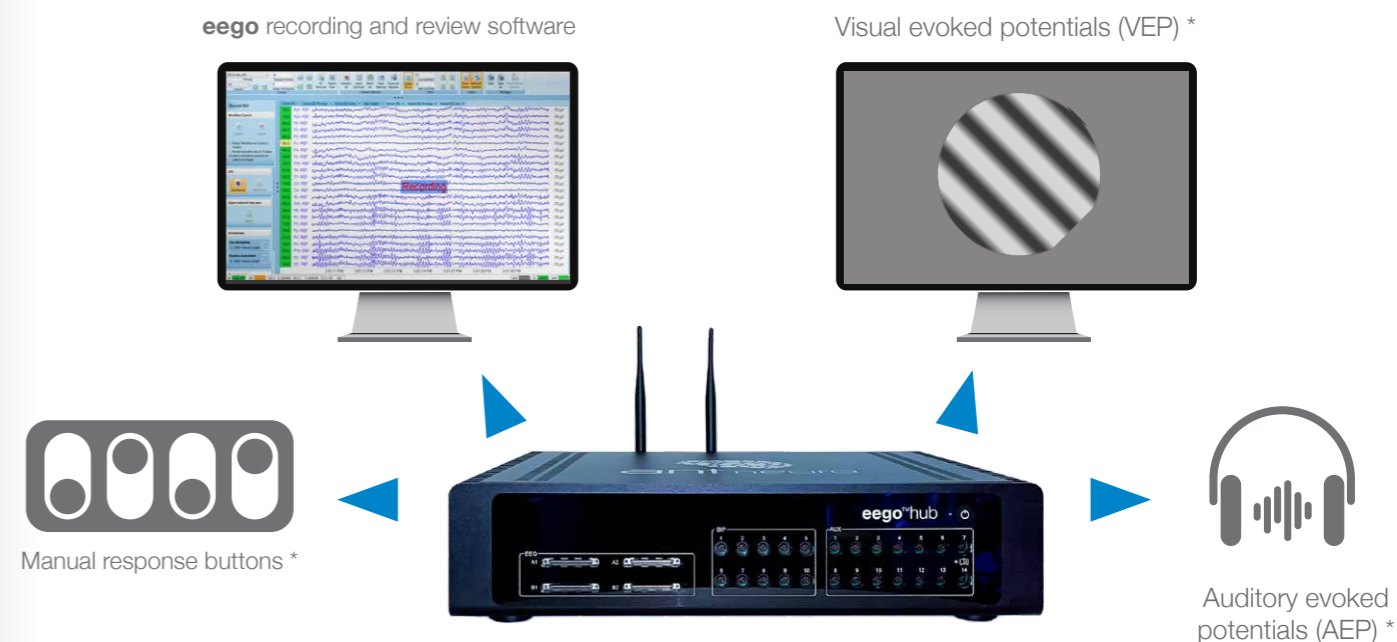
All EEG channels are equipped with ANT Neuro's active shielding technology for the reduction of environmental interference, delivering good signal quality even under adverse conditions, even when the subject is physically active.

eego hub is fully compatible with the range of gel-based, dry electrode-based waveguard caps, and saline-based waveguard nets. This offers full flexibility for recording high-density EEG data.

Complete lab for ERP studies

eego™ hub has dedicated hardware capabilities integrated that allow you to run stimulus presentation paradigm on the same system without the need for any additional computer with a parallel port. The triggers are internally sent and recorded in the

eego software with the EEG data. Additionally, with the parallel port and BNC input at the rear panel the system can receive external triggers as well e.g. response buttons or another PC.



* The system does not include stimulus presentation software and related third-party hardware, such as response buttons.

Dyadic studies (Hyper-scanning)

The system is ideal for dyadic studies to record synchronized, multi-subject EEG, owing to the isolated patient ground and reference for each connector module. With a 128ch eego hub,

you can record from two subjects with up to 64-channel caps or nets per subject, whereas you can study four subjects with 256 channel eego hub.



Compatibility and ordering information:

System components	eego hub 128	eego hub 256
Product code	ES-356	ES-357
Referential channels	128	256
Bipolar channels	10	
Auxillary channels	14	
Max. sampling rate	16 kHz	
eego software recording, review and export	✓	
Compatible with SDK (up to 64 channels)	✓	
waveguard cap/net (optional) sizes S, M, L	✓	
Recording device	In-built PC	

Compatible EEG caps and nets:

cap / net type	eego hub 128	eego hub 256
waveguard net	NA-271	NA-281
waveguard original	CA-203, CA-210, CA-213, CA-214, CA-222	CA-205, CA-223
waveguard touch	CY-271	CY-281

The EEG inputs are completely modular, and you may also use 24, 32, and 64 channel waveguard caps and nets (NA-2xx, CY-2xx, CA-2xx) with eego hub

Compatible accessories and options:

- XC-206 Sensor starter kit for eego
- XC-209 Bipolar starter kit for eego
- XS-381 SpO2 Sensor Amplifier Unit (plus XS-382)
- XC-219 TMS Artifact reduction adapter
- XS-301 eego archive server – for easy archiving of recordings on a high-capacity hard disk
- XS-340 Mobile eego camera, supporting the simultaneous video recording in the eego software
- Remote or on-site training options are available upon request

eego™ hub can only be used for research purposes by professionals at research and development facilities. For further information please send your inquiry to sales@ant-neuro.com. Manufactured by eemagine Medical Imaging Solutions GmbH, Berlin, Germany, ISO 13485 certified. ANT Neuro and eemagine are part of the neuromotion group.

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