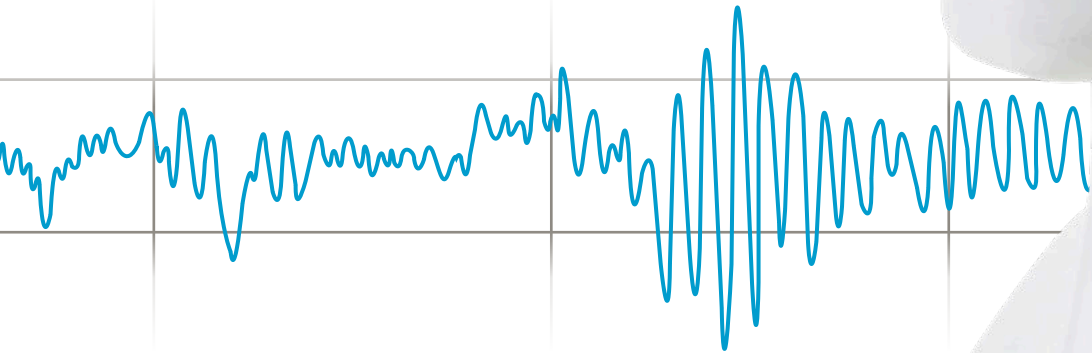
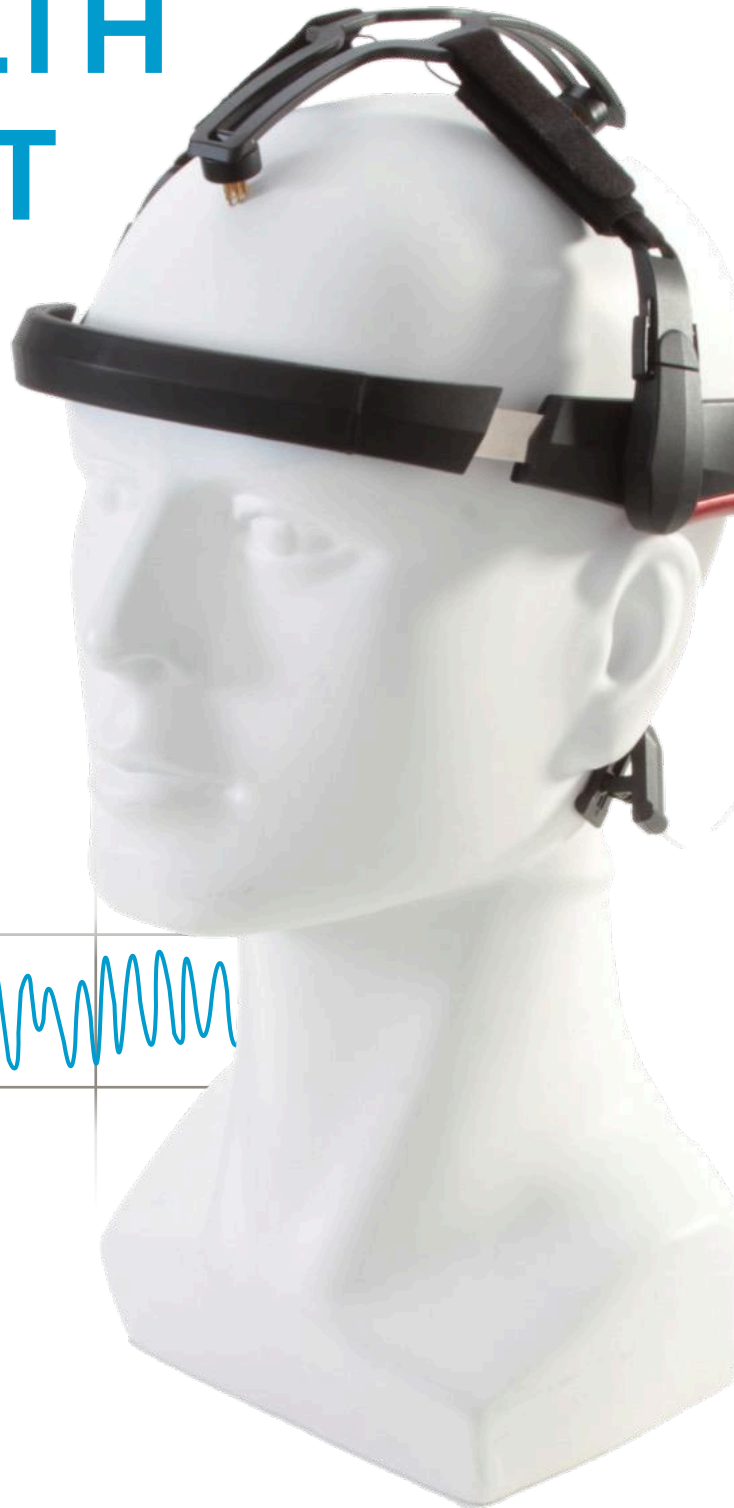




BRAIN HEALTH ASSESSMENT SOLUTIONS

EEG Signal Analysis and Classification



ArtiseBiomedical
亞堤仕生醫科技

Artise Biomedical Co., Ltd. is a neurotechnology company centered on Brain-Computer Interface (BCI) solutions. Since its founding, the company has been dedicated to integrating EEG-based sensing technology with AI-driven signal analytics to deliver products and services that hold both clinical value and everyday usability.

Our core technologies and product strengths include:

Dry/Wireless EEG Devices: Overcoming the limitations of wet electrodes, offering convenient and comfortable brainwave measurement.

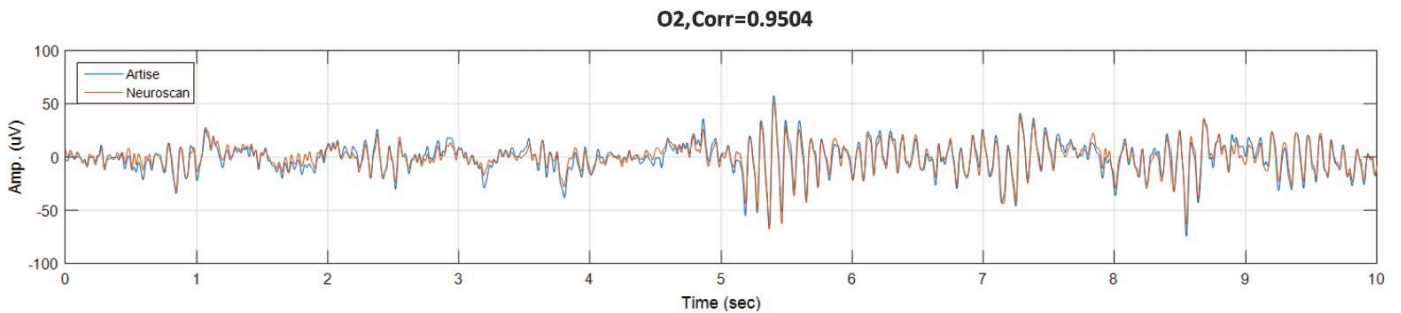
AI Signal Analysis Platform: Extracting multidimensional brainwave indicators to evaluate focus, emotional balance, and brain-region coordination.

Professional & Lifestyle Integration: Applications ranging from education, cutting-edge research, digital wellness, brain health management, and performance boost.

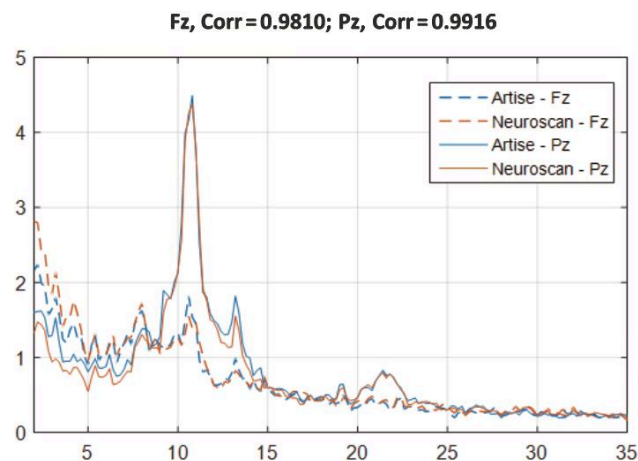
Our mission is “to help everyone better understand their brain.” Our vision is to embed neurotechnology into daily life, setting the new standard for brain health management and expanding the adoption of BCI technology across healthcare, education, behavioral research, and digital wellness, bridging high-end system and consumer-level applications.

Neurotechnology for Better Health

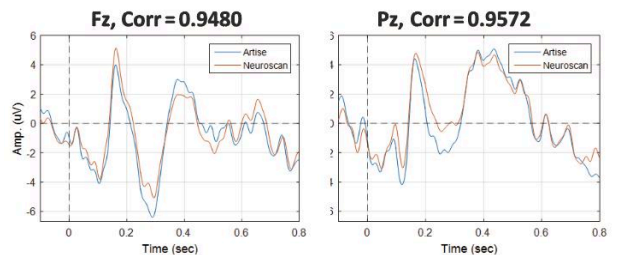
Time domain alpha oscillation generated by closed eye



Frequency domain spectrum analysis



Extraction of ERP (Target)



		St.EEG	Neuroscan
Fz	P3 Amplitude (uV)	3.005	1.969
	P3 Latency (ms)	376	379
	Mean of STD	11.490	10.688
Pz	P3 Amplitude (uV)	4.997	4.848
	P3 Latency (ms)	381	380
	Mean of STD	13.353	11.257



ONE STOP BCIS



StEEG Altair



Wearable 8-channel dry wireless EEG system
Easy to use, suitable for all age groups
Supports event markers for high-precision EEG research



StEEG Sirius / Vega



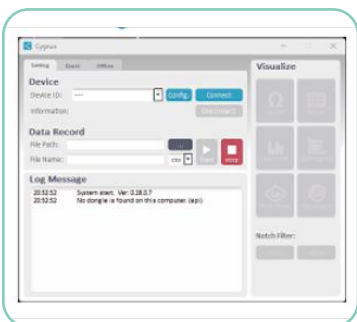
20/32-channel wireless EEG cap
Gel-free sponge electrodes for improved comfort
Multiple sizes for participants aged 3 and above



StEEG Gemini



8-channel hyperscanning wireless EEG cap
Switchable EEG, ECG, and EMG recording modes
Integrates with Altair and Vega for multi-modal systems



StEEG Cygnus / Cynosoura



Data acquisition and neurofeedback training software
Supports data preprocessing and real-time streaming via LSL
SDK toolkit for third-party development and integration



Accessory / Service



Electrodes & Cables
Caps & Connectors
Product Customization
System Integration



StEEG ALTAIR

An 8-channel wearable EEG system equipped with dry, no-prep sensors, a miniature amplifier, and wireless transmission. Electrode positions include Fp1, Fp2, Fz, T7, T8, Pz, O1, and O2. Delivers signal quality comparable to traditional wet-electrode systems, but without skin abrasion or preparation.



Comfort



Stability



Flexibility

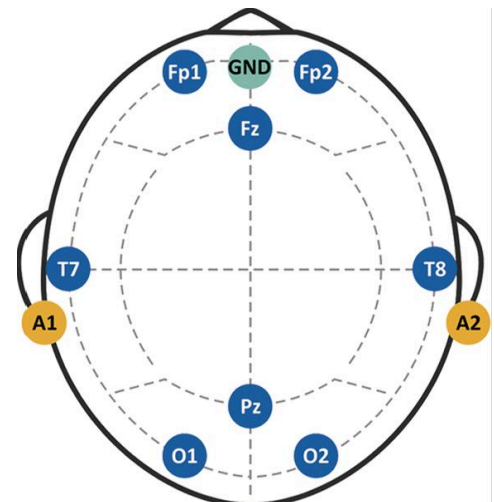


Adaptability

SPECIFICATIONS

Channel Number	8 Signal Channels + 2 REF + 1 GND
Sampling Rate(SPS)	1000 Hz
Resolutions	24 bits
Bandwidth	DC to 125 Hz
Filtering	Software 50/60 Hz notch
Dynamic Range	+/- 375 mV
Connectivity	Proprietary Receiver
Output file format	CSV, EDF
Data Transformation	RAW, BAND POWER, Z-CORE
Battery	Rechargeable Li-Poly 500 mAh
Operating Time	12 hours
Event Lock	RS232
Event Jitter	±1 ms
Supported OS	Windows

SENSOR POSITION



C3/C4 Customization allowable



ONE STOP BCIS

Multi-Channel Gel-free EEG System

The StEEG Gel-free EEG System is designed to deliver high-quality signals for advanced BCI applications.

- Available in 8-, 20- or 32-channel configurations with detachable cables for innovative user scenario
- Proprietary wireless RF transmission enables real-time raw signal streaming
- Innovative gel-free design ensures hours of stable recording, suitable for both children and adults



COMFORT

Gel-free sponge sensors with saline solution ensure a comfortable and user-friendly experience.



EASY to USE

Intuitive design minimizes setup and training time, making operation simple and efficient.



DETACHABLE

A wireless amplifier with a fool-proof connector provides seamless wearability and flexibility.

S3



20/32ch electrode locations

S2



Optional 8ch from standard
10/20 system locations

Electrode Cable



AUX mode for ECG and EMG
recording (8ch only)



ONE STOP BCIS

Neurotechnology for BETTER HEALTH

SPECIFICATIONS



Channel	20/30	8
Sampling Rate(SPS)	500	1000
Bandwidth(Hz)	DC - 125	DC - 262
Resolutions (Bits)	24	24
Dynamic Range(mV)	+/- 375	+/- 375
Connectivity	2.4G	2.4G
Battery	3.7V, 900 mAh	3.7V, 500 mAh
Operating Time	8 hours	12 hours
Event Lock	RS232	RS232
Event Jitter	± 2 ms	± 1 ms
AUX Mode	No	Yes(ECG / EMG)
Hyper scanning	No	Yes

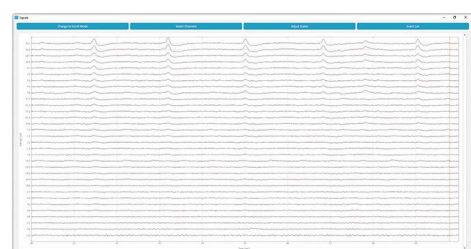
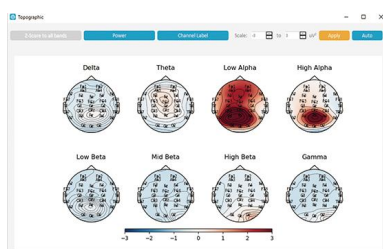
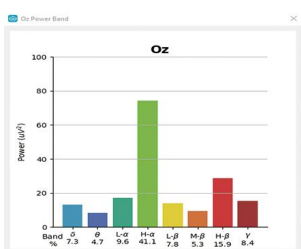
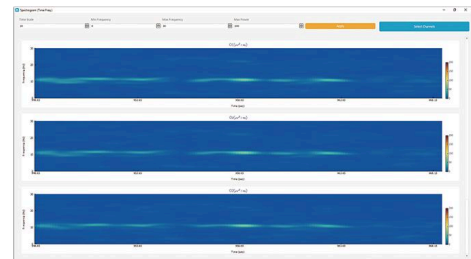
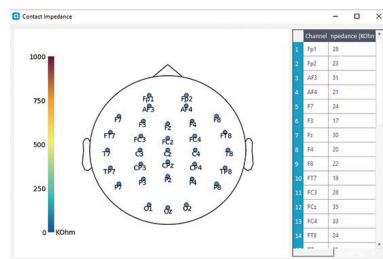
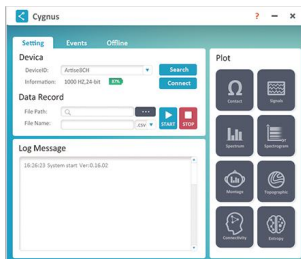
All-in-One EEG Software

A Python-based solution designed for neuroscience research and education.

Optimized for ERP (Event-Related Potential) experiments

Built-in data preprocessing tools

Native Lab Streaming Layer (LSL) output for seamless real-time applications





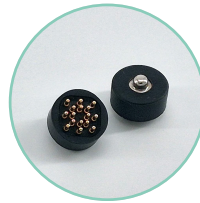
BUILD YOUR OWN SYSTEM

CAPS



Model	GT_SS	GT_S3/GT_S2	GT_SD
Electrotype	Gel	Semi-Dry	Dry
Channels	20/32	20/32	64
Size (cm)	XS (46-50) / S(50-54) / M(54-58) / L(58-62)		
Connector	DIN 1.5mm Touch-Proof		

Electrodes



Model	GT_SP	ST_PPM	GT_ACF	GT_ACM
Conductance	Saline	Au	AgCl	AgCl
Size	--	S / L	--	S / L
Connector	Cable	Button Snap	Button Snap	Button Snap

Cables



Model	GT_DNAC	GT_DNBN	ST_AJDS	GT_DNSP	ST_OPBN
Types	Ag/AgCl Cup	Button Snap	1-Lead AUX	Sensor Holder	Detachable

Adaptors



Model	ST_3MS2D	ST_3MS22	ST_3MS32	ST_3MS33
Channels	8ch AUX	8ch EEG	20ch EEG	32ch EEG



Cynosoura, the Bio and Neurofeedback Training Software for Research.

Built by Professionals, for Professionals

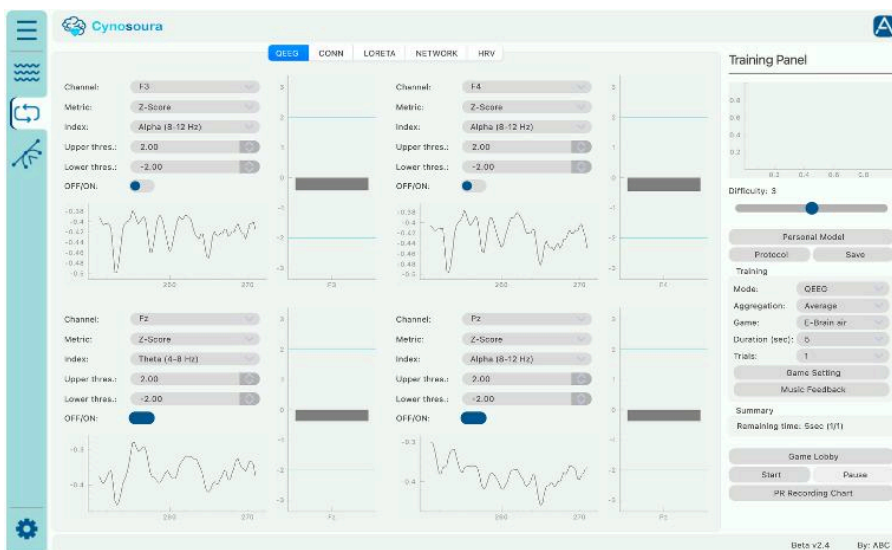
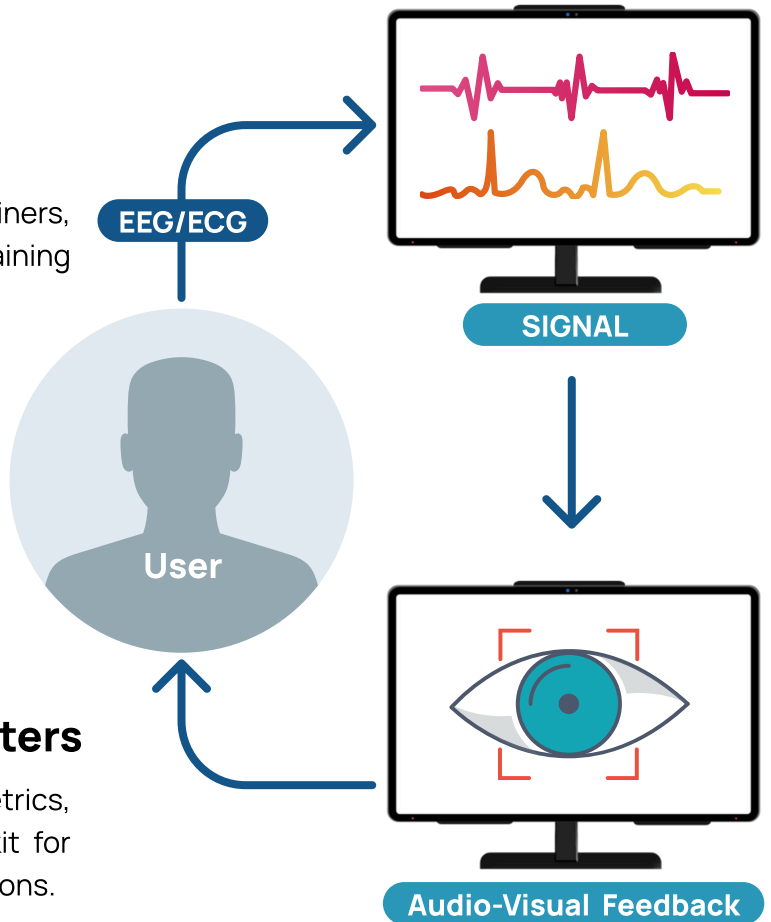
Designed by experienced neurofeedback trainers, Cynosoura delivers precise and efficient training tailored to the needs of experts.

Intuitive & Modern Interface

A highly usable, sleek, and modern design ensures a seamless user experience, allowing trainers to focus on effective training rather than complex controls.

Advanced Integrated Parameters

Incorporating QEEG, LORETA, and HRV metrics, Cynosoura provides a comprehensive toolkit for both advanced research and clinical applications.

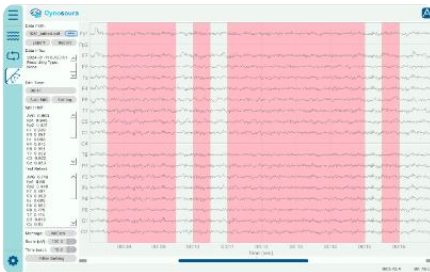
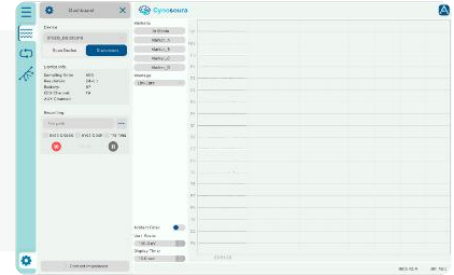




FEATURES

High-Grade Signal Display

Advanced ASR ensures clean and reliable data visualization.

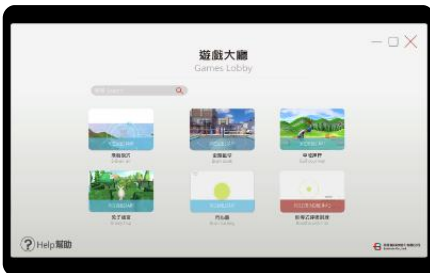


Standardized Data Editing

Streamlined tools deliver consistent and accurate results.

From QEEG to Network

Comprehensive analysis to achieve training goals.

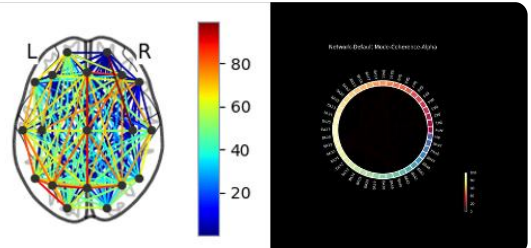


Interactive Feedback Interface

Classic design that enhances user engagement.

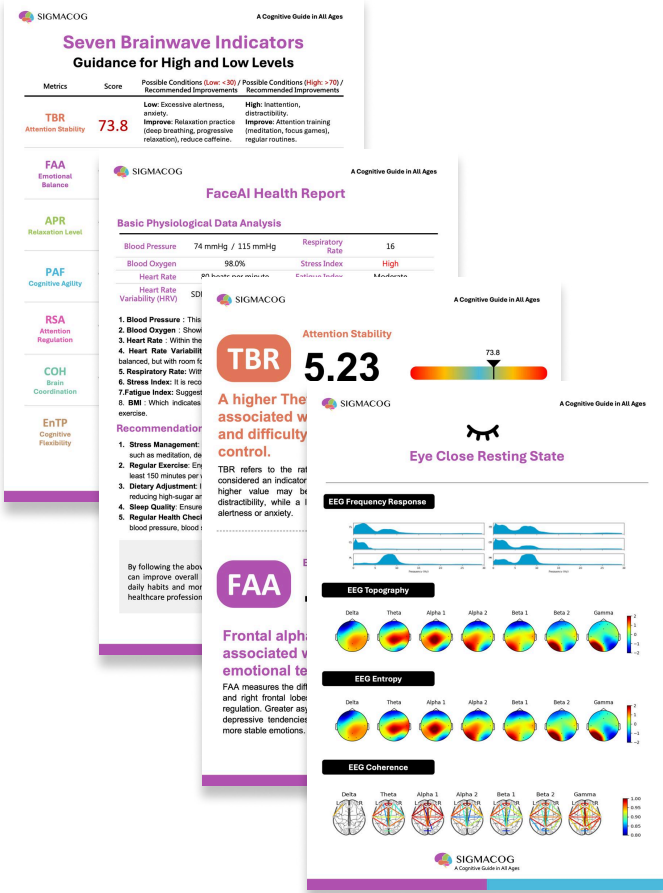
Versatile Data Outputs

Accelerates research with multiple export options.





A COGNITIVE GUIDE IN ALL AGES. IN ALL AGES.



Fast & Efficient Reporting

Complete brain health report in just **5 minutes**.

Norm-Referenced Indicators

Compare **7 EEG-based cognitive indicators** across all age groups.

AI-Powered Brain Health Plan

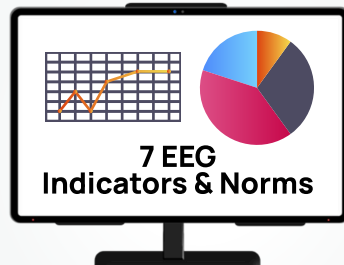
Personalized recommendations generated by AI.

Customizable Reports for Institutions

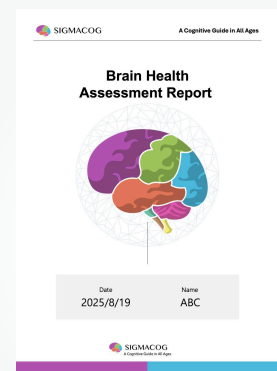
Tailor report content to meet organizational needs.



MEASUREMENT



ANALYSIS



BRAIN HEALTH REPORT



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2. BCI-based hit-loop agent for human and AI robot co-learning with AIoT application. DOI: 10.1007/s12652-021-03487-0
3. Atypical functional connectivity during rest and task-related dynamic alteration in young children with attention deficit hyperactivity disorder: An analysis using the phase-locking value. DOI: 10.1111/pcn.13344/full
4. How does emoji feedback affect the learning effectiveness of EFL learners? Neuroscientific insights for CALL research. DOI: 10.1080/09588221.2022.2126498
5. How online travel agencies' logo design promotes purchase intention: a behavioral and neuroscientific interpretation of consumers' construal level. DOI: 10.1080/10941665.2023.2187701
6. Verifying the Efficacy of a Tactile Perceptual Discrimination Stimulation Approach for Individuals with Finger Sensorimotor Dysfunction: A Case Report and Literature Review. DOI: 10.29011/2574-7754.101950
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9. Near-zero phase-lag hyperscanning in a novel wireless EEG system. DOI: 10.1088/1741-2552/ac33e6
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18. Interbrain synchrony attenuation during a peer cooperative task in young children with autistic traits -an EEG hyperscanning study. DOI: 10.1016/j.neuroimage.2025.121217
19. Consumer-Grade Electroencephalography Devices for the Diagnosis of Neurodevelopmental Disorders in Youth. DOI: 10.18103/mra.v13i3.6427
20. The utility of wearable electroencephalography combined with behavioral measures to establish a practical multi-domain model for facilitating the diagnosis of young children with attention-deficit/hyperactivity disorder. DOI: 10.1186/s11689-024-09578-1
21. Electrophysiological functional connectivity and complexity reflecting cognitive processing speed heterogeneity in young children with ADHD. DOI: 10.1016/j.psychres.2024.116100
22. The Utility of a Novel Neuropsychological Measurement to Analyze Event-Related Attentional Behaviors among Young Children with Attention Deficit Hyperactivity Disorder— a Pilot Study. DOI: 10.1093/arclin/aca055





ORDER FORM

ID	Model	Name	Package	Note
CP01	GT_S332	32CH Semi-Dry Caps	1 pcs	S / M / L
CP02	GT_S320	20CH Semi-Dry Caps	1 pcs	XS / S / M / L
CP03	GT_S220	20CH BCI Caps	1 pcs	XS / S / M / L
CP04	GT_SS64	64CH Gel Caps	1 pcs	S / M / L
CP05	GT_SS32	32CH Gel Caps	1 pcs	S / M / L
CP06	GT_SS20	20CH Gel Caps	1 pcs	XS / S / M / L
CP07	GT_SD64	64CH Dry-Sensor Caps	1 pcs	XS / S / M / L
ET01	GT_SP120	Sponge Sensor	120 pcs	
ET02	ST_CDFB	Foam Sensor	10 pcs	
ET03	GT_ACFL	AgCl Dry Sensor Flat	20 pcs	
ET04	GT_ACMS/L	AgCl Dry Sensor Comb	20 pcs	S / L
ET05	ST_PPMS/L	Pogo-Pin Dry Sensor	10 pcs	S / L
ET06	ST_ECGP	Electrode Pad	50	
CB01	GT_DNBN	DIN2SNAP cable	12	For GT_SD64
CB02	ST_OPBN	Detachable cable	12	
CB03	GT_DNSP	Spong Sensor Cable	11	For GT_S220
CB04	GT_DNAC	AgCl Cup Electrode Cable	12	
CB05	GT_S3SP	Spong Sensor Holder	24	For GT_S332 / GT_S320
CB06	ST_AJDS	One-lead AUX Cable	8	
CB07	ST_RJ45	Hyperscanning Cable	1	Customized length
CB08	ST_RS232	Event Trigger Cable	1	
CG01	GT_GE5	Conductive Gel	1	473g
CG02	GT_GE20	Conductive Paste	1	228g
AD01	ST_3MS220	11CH Adaptor	1	
AD02	ST_3MS320	23CH Adaptor	1	
AD03	ST_3MS332	35CH Adaptor	1	
AD04	ST_3MS2DS	AUX Adaptor	1	
AC01	ST_SYNC	Multi-Module Sync Box	1	
SW01	ST_CGNS	Cygnus Data Acquisition	1	Windows
SW02	ST_SDKW	Cygnus SDK Tool	1	WIN / MAC
SW03	ST_TOPO	Topography Analysis Module	1	Windows
SW04	ST_HRV	HRV Analysis Module	1	Windows
SW05	ST_CNSR	Neurofeedback Suit	1	MAC
SW06	ST_BQAS	sigmacog Brain Health Report		Subscription



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