

visor2™

Complete neuronavigation solution for rTMS,
functional mapping and EEG/EMG



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visor2™ is a complete neuronavigation solution for an rTMS lab to conduct the most advanced research and treatments in neuromodulation and allows users to accurately evaluate functional organization of the human cortex using non-invasive, navigated

transcranial magnetic stimulation (rTMS). This innovative solution comes with accurate real-time 3D neuronavigation, simultaneous EEG-TMS recording and intuitive step-by-step workflows for motor and optional speech mapping module. The visor2 solution supports

a broad range of TMS stimulation and can be adapted to specific applications. visor2 neuronavigation guide you through each step session, making your work faster, and more accurate than ever

Features and benefits

- Complete, non-invasive neuronavigation solution for neuromodulation with TMS
- High precision MRI-guided e-field neuronavigation with real-time visualization of stimulated brain areas on a standard MRI or individual patient MRI imports
- Compatible with the leading stimulators from manufacturing companies like Magstim, MagVenture, Mag&More, Neurosoft, etc.
- Compatible with a broad range of TMS coils for each specific application
- Enables simultaneous tracking of up to two TMS coils
- Seamless EEG-EMG-TMS multimodality integration
- Replicable results and intuitive step-by-step workflow for the mapping of speech and motor functions
- Colored DICOM export of mapped functional hotspots for further use in surgical navigation systems



Potential areas of application

Therapy

- Treatment-resistant Major Depressive Disorder (MDD)
- Pain (e.g., neuropathic pain)
- Neurorehabilitation of stroke patients (under investigation)
- Tinnitus (under investigation)

Diagnosis

- Presurgical mapping of motor cortex in brain tumor patients, using Motor-Evoked Potentials (MEPs)
- Presurgical language mapping of language-eloquent cortex in brain tumor patients
- Functional cortical mapping of epilepsy patients

Research

- Neuroscience and cognitive psychology
- Online/ offline EEG-TMS
- Online EMG-TMS
- Visual information processing
- Learning and memory
- Neurolinguistics
- Child, Adolescent and Adult Psychiatry (e.g. autism, ADHD, schizophrenia)

visor2 Neuronavigation solution

Standard components

- visor2 software set
- 24-inch AiO (All in One) touch PC
- NDI Polaris Vicra camera
- Medical-grade cart
- Trigger box with remote control set
- 64-channel EEG and 6-channel EMG amplifier
- 64-channel waveguard™ cap
- EEG starter kit
- Pointer tool and head tracker tool

Recommended Configurations

	visor2 product	Basic	Premium *	Multimodal	Mapping
visor2 CE system options	visor2 system 1 without EMG	-	-	-	-
	visor2 system 1 with EMG 2	-	00	-	-
	visor2 system 1 with with EMG and secondary touch display	-	-	-	-
Accessories	Calibration board and TMS coil trackers	-	-	-	-
	visor2 compulsory accessories	-	-	-	-
Other	Speech mapping	-	-	-	-
	Stimulator add-on 3	optional	optional	optional	optional
	EEG add-on 4	-	-	-	optional
	asa pro signal and source analysis software 5	-	-	-	-
	xensor 3D EEG electrode digitizer 5	-	-	optional	optional
	smartmove coil-positioning robot 5	optional	optional	optional	optional
	Reclining patient chair 5	optional	optional	optional	optional
Licenses	Basic License	-	-	-	-
	Premium License	-	-	-	-
	Multimodal License	-	-	-	-
	Mapping License	-	-	-	-
Service	Warranty	2 years (1 year on NDI camera and cart)			
	Support	Optional 1- or 2-year remote support (6 months included)			
	Training	Upon request			

1. visor2™CE system includes visor2 software, Polaris vica camera, medical AiO touch PC, eego™mini amplifier and electrodes (for EMG), trigger box, cart, tracking tools and accessories.
2. visor2 2-channel, 6-channel and 8-channel EMG.
3. Compatible with the stimulators from the following manufacturers: Magstim, MagVenture, Mag&More, Neuronetics, Neurosoft, etc.
4. EEG system is CE-certified and consists of eego™ software, eego™ system (including 64-ch eego amplifier), one waveguard™original cap, eego™mylab license, and accessories.
5. For more information, please refer to the relevant product brochures.

The AiO PC with deployed software and the Stimulator Add-on are available in certain countries only. For more information, please contact your regional sales representative.

The visor2 system follows the compliance requirements from the EU Medical Device Directive 92/43/EEC article 12 and includes visor2 software as CE class IIa medical device. In Canada, visor2 is registered as medical device class II according to the Canadian MDR, under MDL number 88778. Special compliance applicable to extensions, selected modules for research only. Manufactured by eemagine 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 EU and Canada.

EEG/TMS, speech mapping, dual coil navigation and further selected modules specified in the solution user guide are for research only.

* EMG / motor mapping included.

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