

visor2™

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



A supreme solution for virtually every TMS application.

visor2™

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

visor2™ is the complete rTMS lab for 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

(TMS). This innovative solution comes with an integrated high-frequency rTMS stimulator, 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 coils and can be adapted to specific fields of applications. visor2 navigated rTMS will guide you through each step of a TMS session, making your work faster, safer and more accurate than ever before.

Features and benefits

- Complete, non-invasive rTMS lab for the most advanced studies in brain neuromodulation
- High precision MRI-guided e-field neuronavigation with real-time visualization of stimulated brain areas on standard MRI or individual patient MRI imports
- Compatible with the leading stimulators from manufacturer companies like Magstim, MagVenture, Mag&More, Neurosoft, etc.
- Fully integrated high-frequency PowerMAG ANT 100 Hz rTMS stimulator
- Compatible with a broad range of TMS coils for each specific application
- Enables simultaneous tracking of up to two TMS coils
- Supports a wide range of TMS protocols such as navigated single-pulse, rTMS, ppTMS, train and ramp
- 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



visor2 solution
(Image may contain optional items. Actual model may vary)

Potential areas of application

Therapy

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

Diagnosis

- Non-invasive presurgical motor-mapping and speech mapping of eloquent cortex
- Determination of Motor Evoked Potentials (MEPs)
- Determination of central and peripheral motor latency time
- Nerve conduction velocity
- Emergency medicine

Research

- Neuroscience and cognitive psychology
- Online EEG-TMS
- Online EMG-TMS
- Visual information processing
- Learning and memory
- Neurolinguistics

visor2 navigated rTMS solution

Standard components:

- visor2 software set
- PC set with 24-inch widescreen monitor
- NDI Polaris Vicra camera
- Tripod set for camera
- PowerMAG ANT 100 Hz TMS stimulator
- 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
- **asa™**pro trial licence

Recommended Configurations

	visor2 product	Basic Neuronavigation	Premium Neuronavigation+EMG	Presurgical mapping	Multimodal research
visor2 CE system options	visor2 system ¹ without EMG	✓	-	-	-
	visor2 system ¹ with EMG ²	-	✓	✓	✓
visor2 add-on solutions	Speech mapping (Additional monitor included)	-	-	✓	-
	Computer system with monitor, keyboard & deployed software	✓	✓	✓	✓
	Second monitor add-on	-	✓	-	✓
	Stimulator add-on ³	-	✓	✓	✓
	visor2 EEG add-on ⁴	-	-	optional	✓
	visor2 compulsory accessories	✓	✓	✓	✓
Licenses	License Basic	✓	-	-	-
	License Premium	-	✓	-	-
	License Mapping	-	-	✓	-
	License Multimodal	-	-	-	✓
Service	Warranty	2 years (1 year on NDI camera and cart)			
	Support	Optional 1- or 2-year remote support			
	Training	Upon request			
Other	Calibration board and TMS coil trackers	Calibration board and TMS coil trackers are separately ordered and are available for all commercial TMS products. No calibration board required for Mag & More TMS coils			
	patient chair	Reclining patient chair			
	smartmove™	Coil positioning robot arm ⁵			
	asa™ pro	EEG signal and source analysis software ⁵ (a free trial license is included in visor2 orders)			
	xensor™ software	3D EEG electrode digitizer ⁵			

1. visor2™CE system includes visor2 software, Polaris vica camera, eego™mini amplifier and electrodes (for EMG), trigger box, cart, tracking tools and accessories.
2. visor2 also supports 2-channel and 6-channel EMG.
3. Compatible with the stimulators from the following manufacturers: Magstim, MagVenture, Mag&More, Neuronetics, Neurosoft, etc. in the TMS industry. We also offer PowerMag ANT 100 with the possibility to control stimulation parameters via visor2 software.
4. visor2 EEG add-on 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 computer system 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 marked with * are for research only.

ANT Neuro b.v., Enschede, The Netherlands,
tel: +31 53 43 65 175, fax: +31 53 43 03 795,
internet: www.ant-neuro.com, e-mail: sales@ant-neuro.com

Information in this document is subject to change.

www.ant-neuro.com/products/visor2

