visor$^2$™

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

A supreme solution for virtually every TMS application.
visor2™ is a complete neuronavigation solution for 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 coils and can be adapted to specific fields of applications. visor2 neuronavigation 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 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)
• Neurehabilitation 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
The visor\textsuperscript{2} product with deployed software and the Stimulator Add-on are available in certain countries only. For more information, please contact your regional sales representative.

### Recommended Configurations

<table>
<thead>
<tr>
<th>visor\textsuperscript{2}.CE system options</th>
<th>visor\textsuperscript{2} system\textsuperscript{1} without EMG</th>
<th>visor\textsuperscript{2} system\textsuperscript{1} with EMG\textsuperscript{2}</th>
<th>visor\textsuperscript{2} system\textsuperscript{1} with with EMG and secondary touch display</th>
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<tr>
<th>Accessories</th>
<th>Calibration board and TMS coil trackers</th>
<th>visor\textsuperscript{2} compulsory accessories</th>
<th>Speech mapping</th>
<th>Stimulator add-on\textsuperscript{3}</th>
<th>EEG add-on\textsuperscript{4}</th>
<th>asa pro signal and source analysis software\textsuperscript{5}</th>
<th>xen\textsuperscript{3} 3D EEG electrode digitizer\textsuperscript{5}</th>
<th>smartmove coil-positioning robot\textsuperscript{5}</th>
<th>Reclining patient chair\textsuperscript{5}</th>
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<th>Support</th>
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<td>2 years (1 year on NDI camera and cart)</td>
<td>Optional 1- or 2-year remote support (6 months included)</td>
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1. **visor\textsuperscript{2}** system includes visor\textsuperscript{2} software, Polaris vicra camera, medical AIO touch PC, eego\textsuperscript{™}mini amplifier and electrodes (for EMG), trigger box, cart, tracking tools and accessories.
2. visor\textsuperscript{2} 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\textsuperscript{™} software, eego\textsuperscript{™} system (including 64-ch eego amplifier), one waveguard\textsuperscript{™}original cap, eego\textsuperscript{™}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.

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The visor\textsuperscript{2} system follows the compliance requirements from the EU Medical Device Directive 92/43/EEC article 12 and includes visor\textsuperscript{2} software as CE class IIa medical device. In Canada, visor\textsuperscript{2} 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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ANT Neuro b.v., Hengelo, The Netherlands,
tel: +31 850 498 175, fax: +31 850 493 919,
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