

visor2™

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

All **NEW**
visor2™
product
range



Intuitive navigated TMS solutions with EMG & EEG.

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Neuromodulation techniques such as transcranial magnetic stimulation (TMS) are rapidly evolving and opening new frontiers into the functional understanding of how the brain works and how to develop new ways to treat neurological disorders. Almost ten years after its introduction, **visor2™** has become a

standard for neuronavigated rTMS. Since then the **visor2** product line was continuously developed and sharpened to meet the most demanding research and clinical requirements in neuroscience. With the latest update, we bring three redesigned product solutions and one completely new **visor2** solution. With new

features such as extended functionality for combined EEG-TMS recordings, multi-modality functional mapping of the motor and speech cortex, the integration of the brand-new PowerMAG ANT 100Hz rTMS stimulator and many more improvements, your work with **visor2** will be faster, safer and more accurate than ever before.

New features and benefits

- Updated and completely new developed **visor2** product solutions, matching specific user requirements for functionality, usability and pricing.
- Compatible with TMS stimulators and coils from various TMS manufacturers.
- Integration of the PowerMAG ANT rTMS stimulator in **visor2** ST with direct software control of TMS stimulation parameters for advanced rTMS and Theta-Burst applications.
- Improved and extended functionality for combined EEG*-TMS research and clinical validation, in **visor2** XT and ST.
- Optional extension module for highly customizable, pre-surgical speech mapping supported by dedicated workflows.
- Colored DICOM export of mapped functional hotspots for further review and processing in surgical navigation systems.
- Full integration of the ANT Neuro **eego™** amplifier solution for high-quality EEG*-EMG recordings.
- All in-one system with touch based PC for greater usability and mobility in routine clinical use with **visor2** QT.

* **visor2** in combination with EEG- for research purpose only.



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

visor2™ product range

visor2 QT UPGRADED

Agile and best-price solution for routine clinical use

The compact **visor2** QT solution is an ideal tool for routine clinical use where straight-forward and swift operation is a must for the reproduction of rTMS treatments. The QT system supports the use of a standard MRI head model or individual MRI import and provides a complete set of functions to precisely reproduce rTMS treatments over time. **visor2** QT comes with an all-in-one touch-based PC, which is fitted with all accessories on one compact cart solution for improved mobility and usability.



visor2 LT UPGRADED

Navigated TMS and pre-surgical evaluation solution

visor2 LT integrates navigated TMS-EMG recordings (2- or 6-channel EMG) with real-time 3D visualization of stimulated brain areas for accurate motor mapping in pre-surgical evaluation. It comes with the full neuronavigation software package including segmentation and head modelling features for navigation with individual MRI's and dual-coil navigation support. It also enables colored DICOM export of mapped functional hotspots for further review and processing in surgical navigation systems. Pre-surgical speech mapping functionality can easily be integrated with an extension module.



	3D Neuronavigation	Presurgical EMG motor mapping	Presurgical speech mapping	Integrated EEG recordings	PowerMAG stimulator
visor2™ QT The routine navigation package	●	×	×	×	○
visor2™ LT The clinical research package	●	●	○	×	○
visor2™ XT The multimodality package	●	●	○	●	○
visor2™ ST The complete rTMS package	●	●	○	●	●

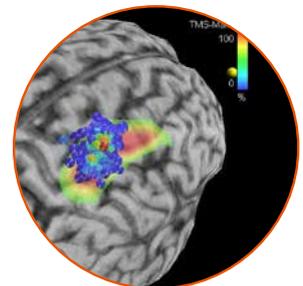
● Standard
 ○ Optional
 × Not supported

Where high precision meets usability and comfort

visor2 solutions have been designed with a real passion for the clinical user: accuracy, accompanied by intuitive workflows and hardware designs that make sense, while ensuring maximum patient comfort. Thanks to the recent improvements in stimulation coil technology, tracking tools design and software advancements, precise and reliable rTMS treatment has never been easier.



Maximum stimulation comfort is achieved with lightweight TMS coils and considerable stimulation noise reduction. A passive cooled TMS coil allows longer TMS sessions through less coil heating.



TMS stimulation sites are recorded and archived, allowing the user to easily replicate them in later TMS treatments. A real-time visualization feedback is superimposed on 3D patient-individual or standard MRI for accurate neuronavigation.

visor2 XT UPGRADED

Combined EEG-TMS and pre-surgical evaluation solution



The visor2 XT solution has all features to satisfy even the most demanding clinical and research requirements for combined EEG*-TMS recordings and pre-surgical evaluation. It delivers all functionality of visor2 LT like dual-coil navigation and colored DICOM export. On top of that, visor2 XT allows combined EEG-TMS recordings with 64 EEG-channels and 6 EMG-channels. This includes sophisticated EEG recording and analysing features used in advanced research and clinical validation.

* visor2 in combination with EEG- for research purpose only.

visor2 ST NEW

The complete rTMS lab for the most advanced studies of brain function in neuromodulation



visor2 ST is a complete rTMS lab for the most advanced research and treatments in neuromodulation. It integrates all the latest technologies for navigated rTMS, dual-coil navigation support, EEG*-TMS recordings and pre-surgical evaluation. visor2 ST comes with a fully software-integrated PowerMAG ANT 100 rTMS stimulator which allows to directly control stimulation parameters for advanced rTMS and Theta-Burst applications. Included are also multi-channel EEG/EMG options (64-channel EEG + 6-channel EMG or 6- or 2-channel EMG only) for EEG*-EMG-TMS recordings.

visor2™ product range

System components	visor2™ QT	visor2™ LT	visor2™ XT	visor2™ ST
Software	QT software	LT software	XT software	ST software
PowerMAG ANT 100 rTMS Stimulator	--	--	--	✓ (Optional PowerMAG Clinical 30)
NDI Polaris camera	Vicra	Vicra or Spectra	Vicra or Spectra	Vicra or Spectra
Mounting options	Minicart or tripod	Tripod, wall mount or cart	Tripod, wall mount or cart	Tripod, wall mount or cart
High-performance PC with 24" LCD monitor	All-in-One PC (touch)	✓	✓	✓
Tracking tools	✓	✓	✓	✓
Trigger box with remote control	✓	✓	✓	✓
EMG/EEG amplifier	--	2- or 6-channel EMG	64-channel EEG + 6-channel EMG	64-channel EEG + 6-channel EMG (optional 2- or 6-channel EMG only)
Pre-surgical EMG motor mapping	--	✓	✓	✓
Pre-surgical speech mapping	--	Optional	Optional	Optional
Reclining patient chair	--	--	--	Optional
Stimulator trolley	Optional	Optional	Optional	Optional
Warranty	2 years (1 year on NDI camera and cart)	2 years (1 year on NDI camera and cart)	2 years (1 year on NDI camera and cart)	2 years (1 year on NDI camera and cart)
Support	Optional 1- or 2-year remote support	Optional 1- or 2-year remote support	Optional 1- or 2-year remote support	Optional 1- or 2-year remote support
Training	Upon request			
Accessories	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.			

Software Features

	visor2™ QT	visor2™ LT	visor2™ XT	visor2™ ST
Individual MRI import	✓	✓	✓	✓
Segmentation and head modeling	✓	✓	✓	✓
Brain visualization	✓	✓	✓	✓
Patient registration and digitization	✓	✓	✓	✓
Coil management	✓ (single-coil)	✓ (dual-coil)	✓ (dual-coil)	✓ (dual-coil)
Targeting	✓	✓	✓	✓
Offline analysis	✓	✓	✓	✓
Induced electrical field calculation and display	✓	✓	✓	✓
Export of image markers and stimulated sites	--	✓ (monochrome & colored)	✓ (monochrome & colored)	✓ (monochrome & colored)
Pre-surgical EMG motor mapping	--	✓	✓	✓
Pre-surgical speech mapping	--	✓ (as an extension module)	✓ (as an extension module)	✓ (as an extension module)
Integrated EEG recording functionality <small>visor2 in combination with EEG- for research purpose only</small>	--	--	✓	✓
Software interface to PowerMAG ANT 100 rTMS stimulator *	--	--	--	✓

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