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	--	up to 8-channel EMG	64-channel EEG + up to 8-channel EMG	64-channel EEG + up to 8-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 **vi**sor2 in combination with EEG- for research purpose only	--	--	✓	✓
Software interface to PowerMAG ANT 100 rTMS stimulator *	--	--	--	✓

The **vi**sor2 system follows the compliancy requirements from the EU Medical Device Directive 92/43/EEC article 12 and includes **vi**sor2 software as CE class IIa medical device. In Canada, **vi**sor2 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.

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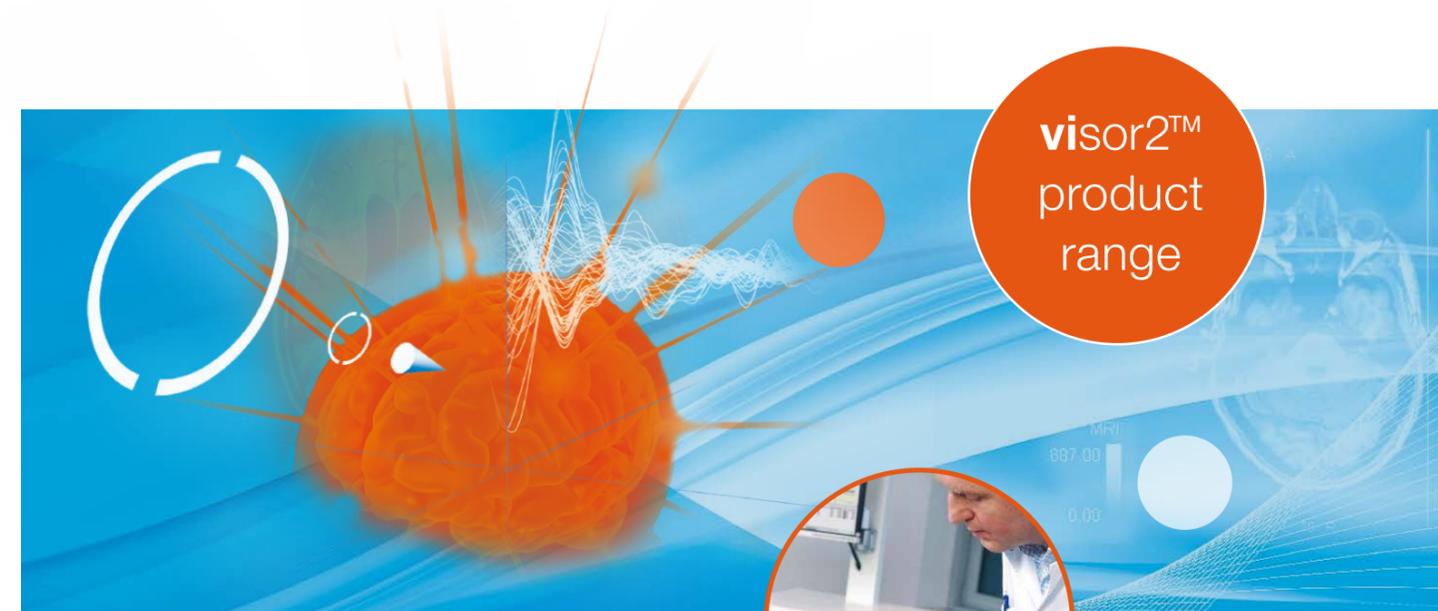Information in this document is subject to change.

www.ant-neuro.com/products/visor2

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EN-0118-2.0 ANT DRN-SLS-2405

visor2™

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

visor2™ product range

Intuitive navigated TMS solutions with EMG & EEG.

ant neuro
inspiring technology

visor2™

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

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, **vi**sor2™ has become a standard for neuronavigated

rTMS. Since then the **vi**sor2 product line was continuously developed and sharpened to meet the most demanding neuroscience research and clinical routine requirements. ANT Neuro provides four **vi**sor2 product solutions which are tailored to specific customer needs and requirements. 'With features such as

extended functionality for combined EEG-TMS recordings, multi-modality functional mapping of the motor cortex and speech related areas, the integration of the PowerMAG stimulator and many more.Your work with **vi**sor2 will be faster, safer, more accurate and easier to replicate than ever before.

Features and benefits

- Compatible with TMS stimulators and coils from various TMS manufacturers
- Integration of the PowerMAG ANT rTMS stimulator in **vi**sor2 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 **vi**sor2 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 and **eego** mini for high quality EEG-EMG recordings
- All in-one system with touch based PC for greater usability and mobility in routine clinical use with **vi**sor2 QT

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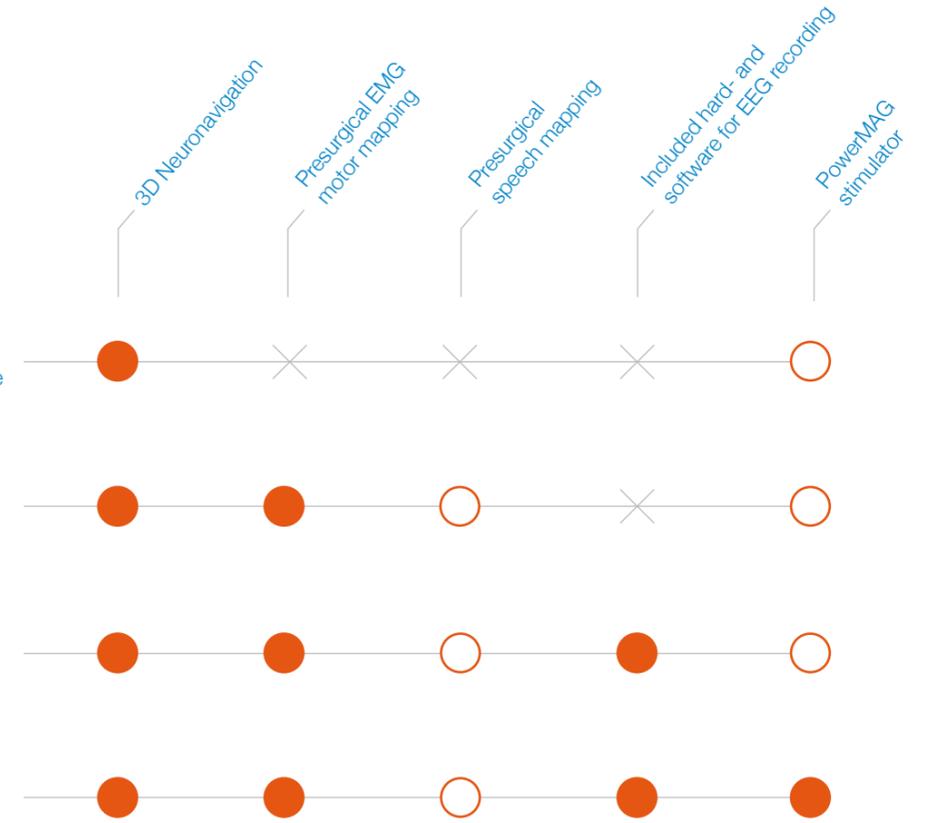(Image may contain optional items. Actual model may vary.)

Product comparison

	3D Neuronavigation	Presurgical EMG motor mapping	Presurgical speech mapping	Included hard- and software for EEG recording	PowerMAG stimulator
visor2™QT — The routine navigation package	Standard	Not supported	Not supported	Not supported	Optional
visor2™LT — The clinical research package	Standard	Standard	Optional	Not supported	Optional
visor2™XT — The multimodality package	Standard	Standard	Optional	Standard	Optional
visor2™ST — The complete rTMS package	Standard	Standard	Optional	Standard	Standard

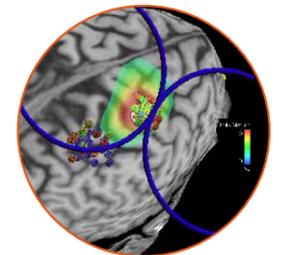● Standard ○ Optional ✕ Not supported

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™ product range

visor2 QT
Agile and best-price solution for routine clinical use

The compact **vi**sor2 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. **vi**sor2 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
Navigated TMS and pre-surgical evaluation solution

visor2 LT integrates navigated TMS-EMG recordings (up to 8-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*.

visor2 XT
Combined EEG-TMS and pre-surgical evaluation solution

On top of all functionality of **vi**sor2 LT like dualcoil navigation and colored DICOM export, **vi**sor2 XT allows combined EEG-TMS recordings with 64 EEG-channels and up to 8 EMG-channels. This includes sophisticated EEG recording and analyzing features used in advanced research and clinical validation.

visor2 ST
Complete solution for navigated rTMS, functional mapping and EEG/EMG

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. **vi**sor2 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 up to 8-channel EMG) for EEG-EMG-TMS recordings.