



EEG & Brain Stimulation

## Advanced EEG solutions for your brain stimulation lab



- ✓ Combine EEG with TMS or tES
- ✓ Close coil positioning with ultra slim active electrodes
- ✓ Fast artifact recovery through advanced amplifier technology
- ✓ Closed-loop EEG-TMS coupling
- ✓ Wide software integration



## Latest generation active electrode technology

- ✓ Robust and durable electrodes compatible with all brain stimulation techniques
- ✓ Slim profile and re-routable cables for flexible close coil positioning
- ✓ High signal-to-noise ratio for each channel
- ✓ Attenuated noise and movement artifacts

## State of the art EEG recordings

- ✓ Up to 100 kHz sampling rate
- ✓ Return to baseline in  $< 0.8$  ms after artifact
- ✓ Real-time data access in  $< 1$  ms
- ✓ Modular for high-density recordings

## End-to-end software solutions

- ✓ Record data with BrainVision Recorder
- ✓ Online data analysis using lab streaming layer (LSL)
- ✓ Perform advanced analyses with BrainVision Analyzer 2

## Flexibility and integration

- ✓ Combine with LSL for ultra-fast closed-loop experiments
- ✓ Accurate and fast electrode localization with CapTrak
- ✓ Extend our EEG solutions with fMRI, fNIRS, eye-tracking and extra physiological recordings
- ✓ Integrated with all major manufacturers of brain stimulation hardware