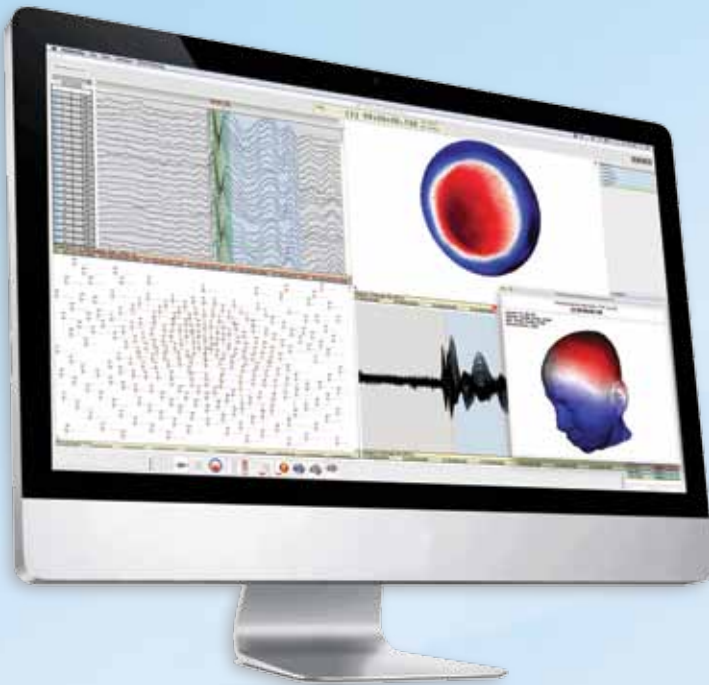# Net Station™ 5.4 Software Platform

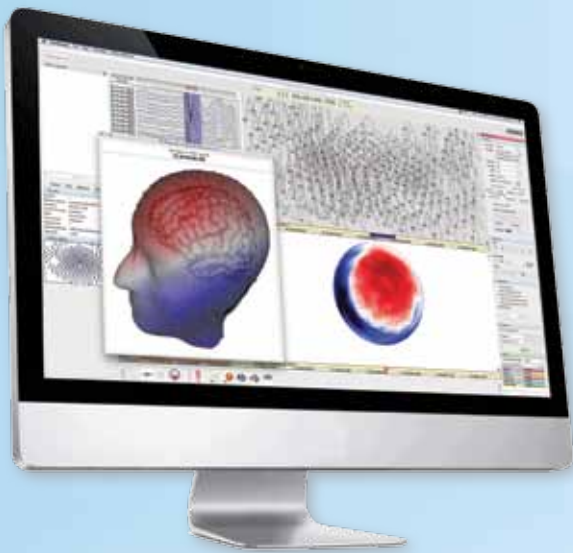## EEG Acquisition, Review, and Analysis for up to 256 channels

Extensible software platform to support your lab's growth into the future

→ **Accepts video, audio, TTL, TCP/IP inputs, and up to 32 auxiliary channels**

→ **Supports EEG-fMRI, EEG-MEG, EEG-NIRS, and EEG neuromodulation**

→ **Seamless integration with EGI's electrical source imaging and tDCS/tACS/tPCS systems**

→ **Tools for collaboration, including networking, report writing, and easy file de-identification**

Since the introduction of Geodesic Sensor Nets for dense array EEG, EGI's focus has been to provide the most advanced EEG methodology with a workflow adaptable for any laboratory. Net Station 5.4 software expands the capabilities of our core EEG product line to include new options for building custom neuroimaging and neuromodulation platforms.

Intuitive Interface

Net Station 5.4 software is specifically designed for acquisition and analysis of EEG data of any channel count, and especially for dense array EEG up to 256 channels.

- Customizable workspaces and montages
- Dashboard design with all functions in a single window
- Easy to learn and intuitive to use

See the EEG scalp data projected on an interactive 3D head, and synchronized with chart view, topo plot, topo map, butterfly view, and video

High Performance EEG Software

- Unprecedented speed and power for EEG acquisition, processing, and analysis of up to 256 EEG channels plus additional inputs
- Full set of data processing functions from filtering to scripting to baseline correction, including spectral/FFT display

Networking and Security

Compatibility with multi-user support on a single computer or through a centralized network.

- Individual user logins and ability to save user-specific settings
- Centralized storage for easier data sharing and archiving
- Dual recording to the local acquisition computer and to a Network Attached Storage (NAS) Device (available separately)
- Activity logging

Expandable Research Platform

For research applications, add functions to include stimulus presentation, additional physiological measurements, video and audio inputs, electrical source imaging, multimodal imaging, and simultaneous neuromodulation.
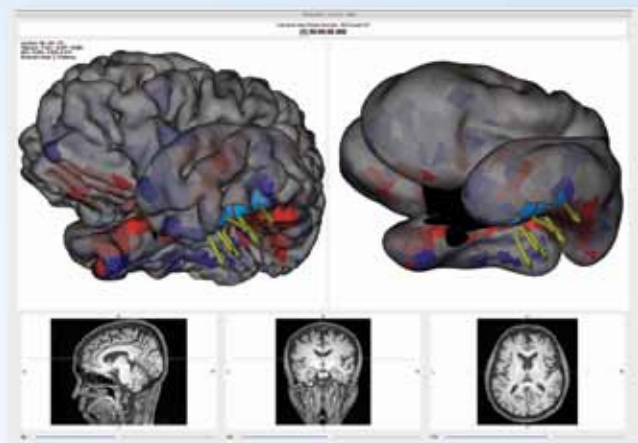

Multimodal Imaging Support — EEG-fMRI, EEG-MEG, and EEG-NIRS

- Includes built-in fMRI artifact handling, including new pulse artifact detection tool for EEG-based BCG cleaning

- Uses Geodesic Sensor Nets (GSNs), which easily accept other sensors for simultaneous acquisition

Simultaneous EEG-tDCS/tACS/tPCS and EEG-TMS

- Seamless integration with EGI's new GTEN 100 Research Neuromodulation System for tDCS, tACS, and tPCS with simultaneous EEG

- Fast recovery rates and interface with low-profile GSNs for EEG-TMS

Integrated Source Imaging

A direct interface with GeoSource 3 Research electrical source imaging packages, now with individual head models.

Data input options

- Add up to 32 bipolar channels, plus SpO2
- TTL or TCP/IP cross-platform event communication
- Synchronized audio and video capture

Data output options

- Compatible with BESA, Curry, EEGLab, MATLAB, Brain Voyager, and others through Net Station's native file format or EDF+ or text file
- Stream data in real time to your software of choice using Amp Server Pro SDK

Net Station 5.4 software is available as a component of EGI's Geodesic EEG System™ (GES) series of products, which include

- **Net Amps amplifier**
- **Net Station 5.4 software**
- **Your choice of Geodesic Sensor Nets**

Net Station 5.4 software is compatible with GES 300 and GES 400 series products, both portable and desktop versions. Includes file converter for Net Station 4.x data files.

Related research products:

- **E-Prime® stimulus presentation workstation**
- **AV Extension Kit**
- **GeoSource™ 3 Research source imaging packages**
- **GTEN™ 100 Research Neuromodulation Systems**

- **Digital video camera packages**
- **Physio16™ auxiliary input box**
- **Amp Server™ Pro SDK**
- **Network attached storage device**

To schedule a demo, or for more information, contact info@egi.com

EGI
dense array EEG