



TM **compumedics**
profusionEEG
version 6

Unlimited Potential in Clinical EEG,
Epilepsy and Beyond.

Compumedics' Profusion EEG software features a complete set of tools for efficient recording and review of EEG - presented in a modern and context sensitive user interface. Over three decades of collaboration with leading EEG laboratories and Epilepsy monitoring units across the world have resulted in our proven industry leading features and functionality that continue to lead the EEG field.

Compumedics Profusion EEG Now even more at your fingertips!

- Developed in close collaboration with leading EEG laboratories and Epilepsy Monitoring Units worldwide
- Designed for easy navigation and editing of up to 45 days of continuously recorded EEG, including impressively high sample rates (up to 20 kHz) and high channel densities (up to 512 channels)
- Provides a full suite of data management tools for all aspects of recording and review.

Optimized for Efficient Workflow

Context sensitive user interface

Featuring the familiar and industry proven user interface “**Ribbons**” developed by Microsoft® groups the most common functions into logical, fast and convenient groupings to simplify operation for every user.

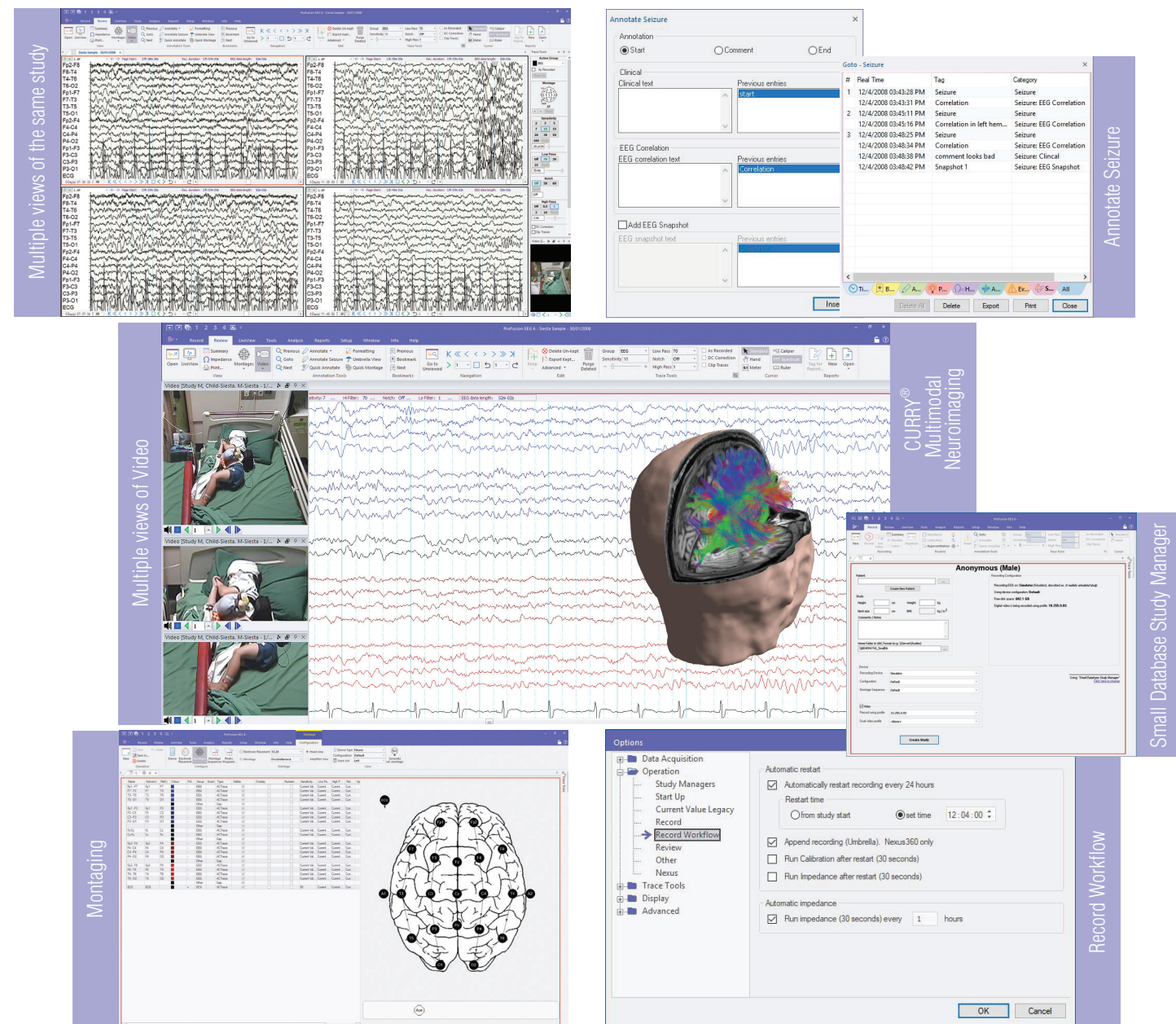
Customizable User Interface

Organize and optimize your workflow for your specific and demanding environment. We place the tools for your desired test or review into a context structured tool bar. This simplifies all aspects of the exam and review to save you time.

- Multiple views of the same study allows fast and easy comparison of individual traces or entire montages
- Exclusive “**My Workspace**” feature - allows each individual user to load personalized workspaces each customized to their requirements, thereby individually optimizing total lab workflow
- EEG displays scroll vertically allowing quick, clear and independent inspection of high channel count displays
- Synchronized cursor and multi-page display allows review of the same data point in multiple montages for precise evaluation of complex data sets
- Multiple video windows can be opened simultaneously with different zoom and pan parameters available in each window to effortlessly focus in on multiple different attributes of an individual patient.
 - Independently keep EEG and video for time saving and streamlining workflow.

Workflow Automation with “Record Workflow”

Automatically restart recording studies every 24 hours as well as running calibration and impedance checks to meet your billing and QA requirements.



Montage Editor

- Superior montage editor allows precise manipulation of any aspect of a montage on the fly
- Create complex montages with weighted averaging to facilitate Laplacian montages
- Montage changes are applied in real time so changes are immediately apparent in concurrently opened EEG's
- Straight forward point and click programmable references
- Quickly select and label multiple inputs for easy layout of depth and grid electrodes.

Small Database Study Manager

Profusion EEG now features a small database study manager for basic patient and study management.

Multi-Modal Neuroimaging Analysis for Epilepsy

- Seamlessly transport epilepsy studies from **Profusion EEG** to **CURRY®** for complete integration and analysis of neuroimaging data, including MRI, fMRI, PET, CT, Grid, Depth, and DTI data
- All the power of the most advanced localization tools from Compumedics Neuroscan are at your fingertips.

Enhanced Artifact Recognition and Removal

- Identify and suppress Artifacts with Principal and Independent Component Analysis (PCA/ICA).

Umbrella View

Allows users to group multiple recordings in one study.

Using Profusion EEG combined with **Profusion Nexus**, the user can now group multiple recordings from one patient into one study with just a few easy clicks.

The Umbrella Window shows all the recordings and annotations in a single study and allows easy navigation to any point of the recordings in the study. This allows quicker review and assists with improved diagnosis.

Review

- Quickly add time synchronized annotations with one key stroke or mouse click
- Comprehensive event list - sort on all events or events of interest. Define your own event categories to group similar events
- Customize personal annotations list for easy marking of the study
- Locate important points of interest in the customizable summary window
- Drag and drop trace overlay allows easy visual comparison between waveforms.

Additional Tools

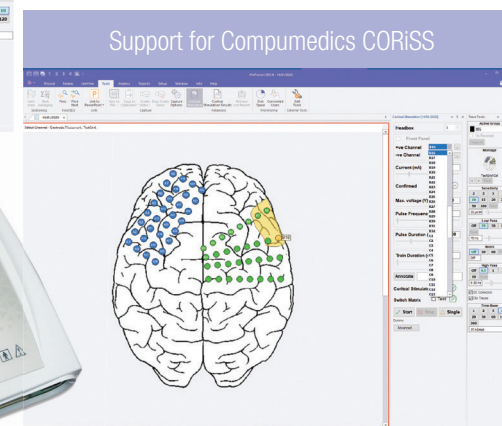
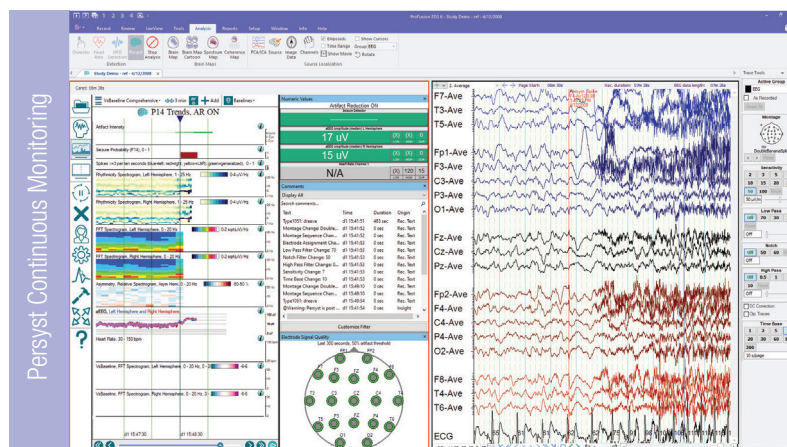
- Record and display pulse oximetry (SpO2) and program automatic notifications of changes in SpO2 values.
- Display heart rate values along with the ECG trace during recording and/or review.
 - FFT Spectrum graph with frequency bands displayed
 - HFO tools to explore high frequency oscillations for epilepsy biomarkers investigations
 - Push to voice Talk and text chat
- Advanced editing allows simultaneous editing from multiple review stations during recording and provides quick editing tools to auto keep sections around specific annotations or events.
- Capture EEG data along with video data and record a standard video file that can be viewed on any Windows compatible system or imbedded in a Power Point.
- Dual sampling provides the ability to simultaneously record a study using a lower sampling rate for quick review and a higher sampling rate for detailed analysis.
- Simplified reporting using Microsoft Word allows easy creation of customized templates and instant insertion of user created interpretations eliminating cumbersome dictation.
- Advanced “plug-in” technology allows installation of new analysis packages as they become available keeping software current with the latest advancements. (May be optional.)

Compatibility

- Integrated **Persyst Continuous Monitoring & Advanced Review Software** provides trending and spike and seizure detection
- Open and analyze studies recorded with Compumedics Sleep systems
- Expand your analysis capabilities with EDF, EDF+ and ASCII data exports
- Nexus360 study manager
- Support for **Compumedics CORISS** - Cortical stimulator switch matrix to natively control from within Profusion EEG as well as at patient bedside.

Training and Support

- 24/7 technical support availability
- Training by experienced R. EEG T. staff
- Launch remote support access directly from the software.



profusion
neXUS 360™

Built on the proven Profusion neXus platform with more than 15 years of customer use and thousands of users, Profusion neXus 360 offers the full functionality of Profusion neXus and more, in a **full web-based interface**.

Study Management and Profusion neXus integration

Integrate Profusion EEG 6 with the **Profusion neXus lab management system** to optimize workflow and enhance efficiency in any diagnostic or research laboratory. Profusion neXus is extremely flexible and securely manages and helps control data and workflow in any laboratory environment.



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All specifications are subject to change without notice. Please contact your Compumedics representative for latest technical information, pricing and product availability. Compumedics Profusion EEG, Compumedics Profusion Nexus, Compumedics Neuroscan, Compumedics Sleep, Compumedics Neuroscience, Compumedics DWL, Compumedics Neuromedical Supplies are all trademarks of Compumedics. CURRY, Neuro, COMPUMEDICS and the Compumedics logo are registered trademarks of Compumedics. Persyst Magic Marker is the registered trademark of the Persyst Corporation. PowerPoint, Word and Ribbons are registered trademarks of the Microsoft Corporation.