

INNOVATIONS BY
COMPUMEDICS®



TM **compumedics profusionEEG**
VERSION 5

Unlimited Potential in Clinical EEG, Epilepsy and Beyond



Profusion EEG was designed from
a whole new perspective – yours!

Compumedics has made use of an industry proven user interface developed by Microsoft® called “Ribbons.”® Combined with our proven industry leading features and functionality we believe **Profusion EEG** represents something really new in EEG! Compumedics is the first to implement this context sensitive user interface in EEG to finally group the most common functions into logical, fast and convenient groupings to simplify operation for every user.

Compumedics **Profusion EEG** it's all 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 & review.

Features

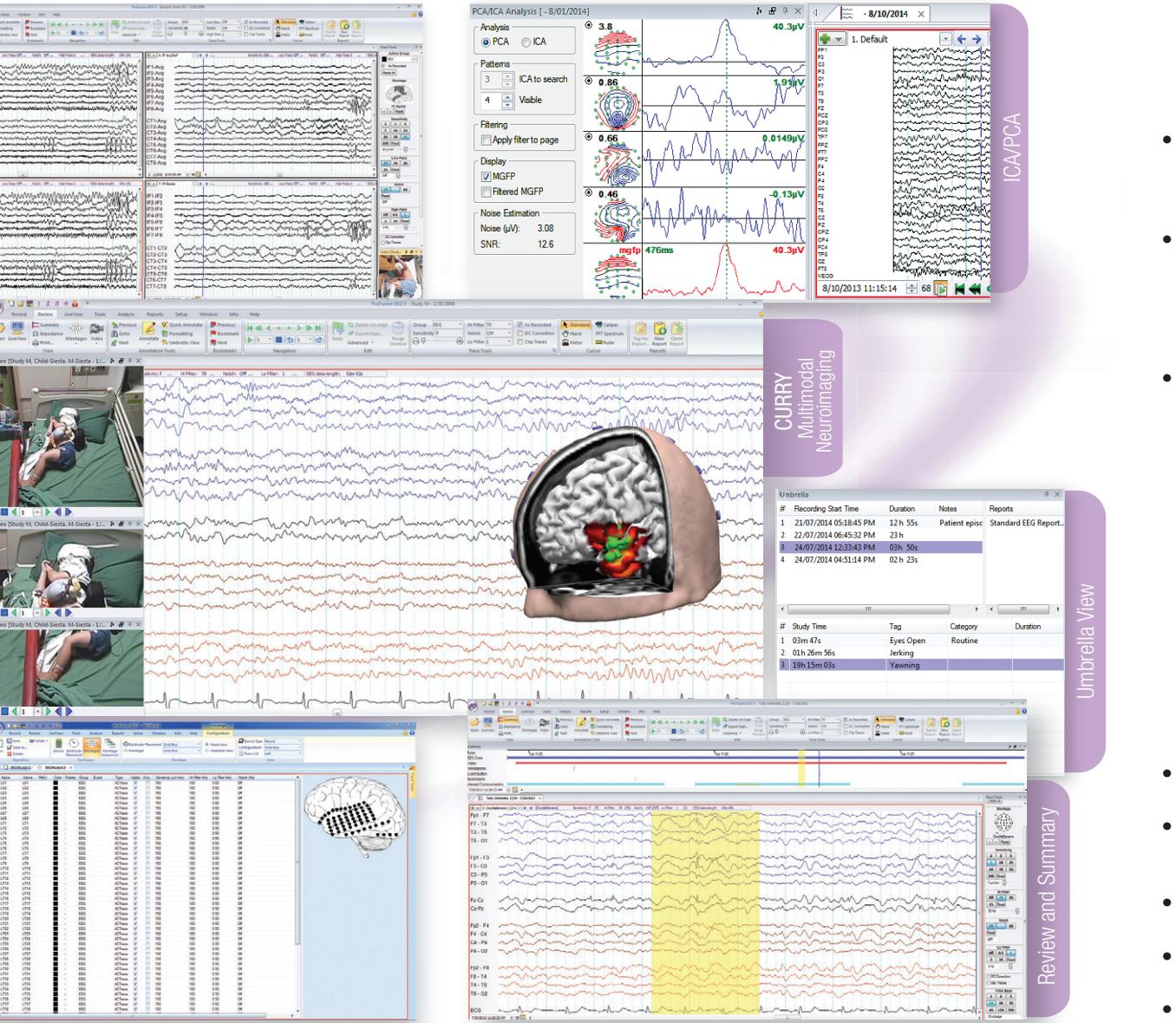
Customizable User Interface

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
- Support for two High Definition video cameras.

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.



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

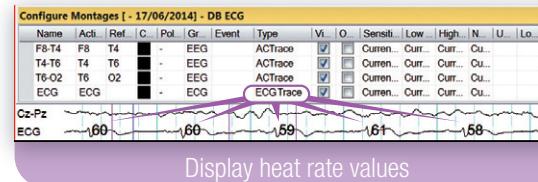
Allows users to group multiple recordings in one study.

Using Profusion EEG combined with **Profusion Nexus 360**, 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.



Display heat rate values

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.
- 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.)

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Compatibility

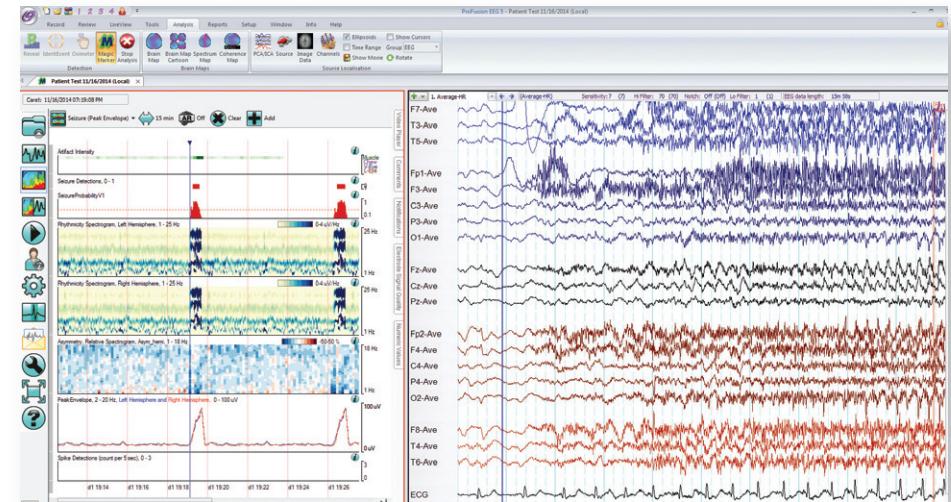
- Integrated Persyst Magic Marker software provides trending and spike and seizure detection
- Open and analyze studies recorded with Compumedics Sleep systems
- Expand your analysis capabilities with EDF and ASCII data exports.

Training and Support

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

Study Management and Profusion neXus integration

Integrate Profusion EEG with the **Profusion neXus 360** lab management system to optimize workflow and enhance efficiency in any diagnostic or research laboratory. Profusion neXus 360 is extremely flexible and securely manages and helps control data and workflow in any laboratory environment.



Persyst Magic Marker



profusion neXUS 360™

Introducing Compumedics Profusion neXus 360, the next generation of Profusion neXus.

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 Lab Management System**.



ACCESSIBILITY



SEAMLESS
INTEGRATION



HIGH
SECURITY



WORKFLOW
EFFICIENCY

Since 1987, Compumedics Limited has emerged as a world leader in the design, manufacture, and sales of diagnostic sleep, neurophysiology, research and transcranial Doppler systems. Compumedics' design expertise in the area of portable physiologic recorders and wireless data transmission is just one reason for our continued double digit growth in the USA year after year. Compumedics is improving people's lives through innovative products, exceptional service and a full range of consumables and accessories brought to you by dedicated people who care.

Compumedics divisions:



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