COMPUMEDICS
Neuroscan™

®CURRY SCAN 7
NEUROIMAGING SUITE

®CURRY SCAN 7 Neuroimaging Suite –
License Information.

For more then 25 years Neuroscan has developed and provided world class tools for EEG data processing and signal analysis. The SCAN software has served as the primary tool for EEG applications in more then 3000 labs around the world. While SCAN has seen many updates throughout the years and still maintains a leading position in data acquisition and processing software, the time has come for a significant change in the way we think about data processing and analysis.

This change is the new **CURRY® Neuroimaging Suite**. The CURRY® Neuroimaging Suite will replace the SCAN software as our acquisition and data processing software. The history of the CURRY software is well known. Throughout the world, CURRY has the well deserved reputation as the most advanced and comprehensive tool for Multimodal Neuroimaging. CURRY's strength has always been centered on combining functional data such as EEG and MEG with imaging data from MRI and CT to optimize source reconstruction. Now we are combining CURRY's strength with the acquisition and signal processing features of the SCAN software for a comprehensive EEG acquisition, data analysis, source localization and source imaging package.

The CURRY Neuroimaging Suite software is divided into a number of license modules that can stand alone or work together to maximize your lab's flexibility. The chart below translates the existing SCAN and CURRY software licenses to the equivalent license modules of the CURRY Neuroimaging Suite. In addition, there is new functionality with the NETWORK license providing true network access to the software.

Legacy Software Licenses	Equivalent CURRY SCAN 7 Neuroimaging Suite software licenses
SCAN Acquire	Acquire
SCAN Edit (Analysis)	Signal Processing
SCAN Full	Acquire, Signal Processing
SOURCE 2	Basic Source and Image Analysis
SOURCE 5	Signal Processing, Basic Source and Image Analysis
CURRY	Signal Processing, Basic & Advanced Source and Image Analysis

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The ®CURRY SCAN 7 Neuroimaging Suite licenses

The **ACQUIRE license** functions independently of any other licenses, allowing you to record data on one workstation and process data on another. As a standalone license module, ACQUIRE allows you to define the amplifier settings, the montage and visual layout of the data display and conduct advanced on-line processing like artifact reduction, online estimation of SNR, simple event averaging, conditional averaging (i.e., n-back), calculation of difference waveforms, with parallel spectral analysis windows of all time waveform data representations.

The **SIGNAL PROCESSING** license includes SCAN's signal processing transforms as well as many more advanced signal processing tools based on CURRY's more complex data processing module. Virtually, signal processing is performed "in place", without the necessity of creating intermediary files. Functions of this module include, for example, user-determined re-referencing, filtering, baseline correction, artifact reduction, averaging, noise estimation, PCA and ICA analysis spectral analysis including wavelets, topographic mapping without or without Laplacian derivations, as well as one-click sensor/electrode coherence. The SIGNAL PROCESSING module can stand alone or be used in conjunction with other licenses to enhance their functionality.

The **BASIC SOURCE AND IMAGE ANALYSIS** license provides features similar to SOURCE 2 and SOURCE 5 functionality and requires the SIGNAL PROCESSING license module to serve as the data engine. It allows for import of structural data sets and provides dipole solutions based on spherical or the included averaged head models.

The **BASIC AND ADVANCED SOURCE AND IMAGE ANALYSIS** license incorporates all the functionality of the BASIC SOURCE ANALYSIS license and adds current density and distributed source models to the source reconstruction tools. The extensive set of current density reconstruction functionality includes a variety of minimum norm modules including LORETA, eLORETA, sLORETA, and SWARM. Statistical analysis is also incorporated into this module. This includes single subject and group analysis of maps, difference waveforms, and dipole solutions. Source coherence analysis is also included. Imported structural and functional imaging data can be automatically segmented and used to compute source solutions based on individual head models. This license can also function independently for co-registration and segmentation of structural data including CT based grid localization and mapping onto MRI data.

The **NETWORK** license allows multiple computers to access a single license dongle and use any available CURRY Neuroimaging Suite module. A license dongle with all features can be shared over a local area network (LAN) and could then allow one computer to acquire data, another to conduct signal processing and a third to process structural data. The NETWORK license enhances the flexibility of the software and provides a cost effective solution for multiple users.

Please contact your Neuroscan representative for additional information or see the specification sheet for a full explanation of features associated with each license level.

See More and Do More

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