Xltek LTM

The Comprehensive Solution for Long-Term Monitoring

Safety: Continuous EEG monitoring even while patients are not tethered to acquisition stations.

Flexibility: True TCP/IP amplifiers and High-Definition cameras with DHCP support that plug in anywhere on your network.
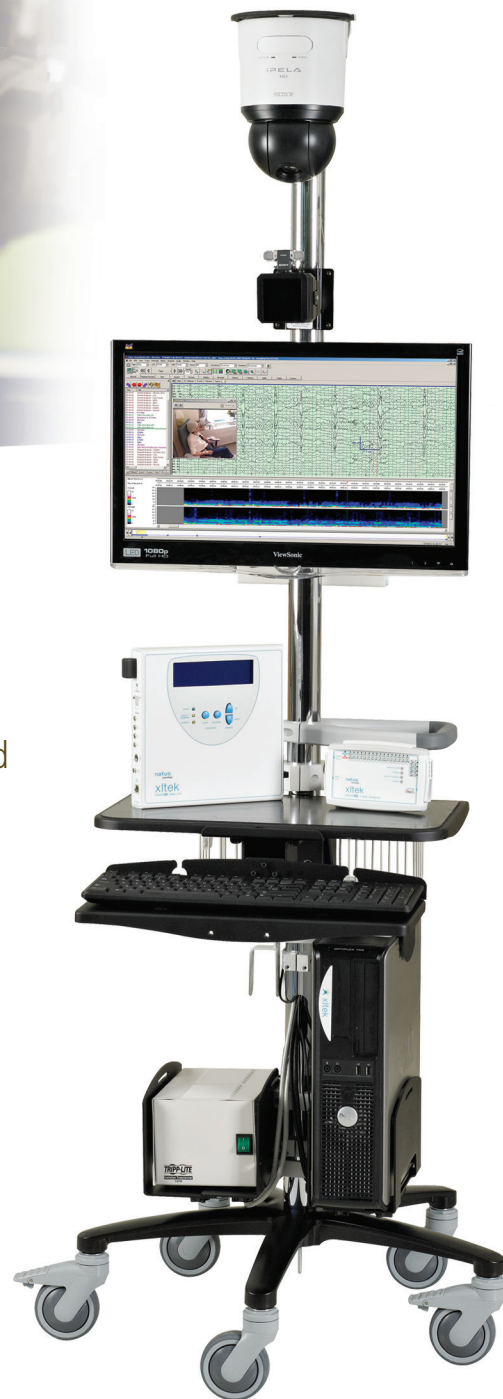
HIPAA: XLSecurity role based HIPAA compliance package with Active Directory integration and encryption.

Reliability: Microsoft® SQL Server with distributed database support.

Integration: Citrix® Ready verified support for remote users and HL7 integration into HIS.

Performance: Excellent signal quality with up to 16 KHz sampling and low noise for scalp and intracranial studies.

Now with High-Definition Video, Fast Sampling 256-channel Quantum Amplifier & Integrated Nicolet Cortical Stimulator

An easy-to-use, state-of-the-art system for Long-Term EEG Monitoring

Neurosurgeons, neurologists and nurses know they can rely on Xltek equipment for continuous video EEG monitoring. This foundation of quality extends into our next generation, computer-assisted LTM solution.

Continuous monitoring even when the patient unplugs

Big capabilities come in small packages

Xltek presents a range of advanced amplifiers perfectly suited to meet your needs: from routine EEG applications and long-term epilepsy monitoring to intracranial studies. Despite their advanced features, the amplifiers are compact and lightweight, making them very comfortable for the patient to wear.

The signal is processed and digitized inside the amplifier to ensure superior quality with ultra low noise. Research users will appreciate fast sampling and the ability to receive a secondary data stream in real time. In conjunction with the powerful Natus NeuroWorks® software, Xltek's LTM systems equip you with a smart and versatile solution for epilepsy monitoring while enhancing patient comfort and freedom.

Physical barriers are no barrier to this system

It's easy to implement neurological monitoring just by plugging the Xltek EMU40EX, Xltek Brain Monitor or Natus Quantum into any network port. The same is true for TCP/IP streaming HD cameras that allow turning any room into a video EEG unit by utilizing the hospital's existing network. A wide range of configuration options includes wall and ceiling mounted dual video systems and some of the most compact portable carts in the industry.
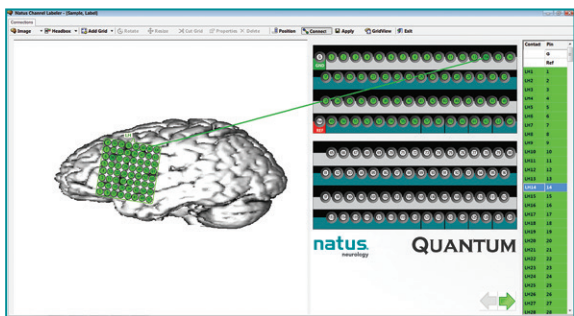
Sophisticated Natus NeuroWorks software provides continuous monitoring of a patient's status, trends and patient event alarms, reporting to an unlimited number of monitoring stations on the network.

Data stays secure

The compact Xltek EMU40EX breakout box with built-in wireless capability allows video EEG monitoring even when the patient disconnects from the main unit for daily care routines. Extended range wireless connectivity doesn't sacrifice data quality with its 1 KHz sampling frequency. EEG data is recorded on flash memory in the wearable unit and uploaded when the patient plugs back in, ensuring no data is lost or compromised. Privacy compliance is assured through an XLSecurity layer that provides role-based access with Active Directory integration and records all data retrieval of sensitive patient information as required by federal HIPAA regulations. Ensure peace of mind by opting for encrypted systems.

Innovation is in our system

The new Natus Quantum 256 channel amplifier is a quantum leap in technology for advanced epilepsy monitoring and research. It offers a software controlled Digital Switch Matrix (DSM) to facilitate functional brain mapping by allowing the use of recording electrodes for stimulus delivery through an external cortical stimulator. A synchronized visual representation of the stimulation results is displayed on the study record. Integration of the unique Stellate GridView™ dramatically simplifies the correlating of EEG patterns with electrodes on a 3D MRI / CT image, providing intuitive visualization and annotation of intracranial recordings.

During any clinical study, researchers can seamlessly initiate recording of a high sample data stream which will contain all clinical review notes throughout the study's clinical lifecycle prior to exporting to a research project for further analysis.

Smart software facilitates insightful decisions

Natus NeuroWorks software simplifies the process of acquiring, analyzing, reviewing and managing studies with an intuitive user interface and integration of innovative Persyst software. Built-in productivity tools automatically mark and instantly prune data based on powerful Spike & Event detection algorithms, facilitating efficient study review. NeuroWorks delivers the most user-friendly workflow for large sites with multiple users and stations, such as synchronizing user preferences and accessing studies from any networked station. Studies can be recorded directly to a local drive, networked computer or server, and organized and searchable on almost any database field.

Findings are more easily identified through easy collaboration

NeuroWorks' integrated remote monitoring and review features simplify consultations with users on and off site. The integrated MS SQL Server enables unmatched networking benefits within the hospital network. As a Citrix Ready partner, Natus provides the most powerful infrastructure to facilitate collaboration with off site colleagues through remote monitoring and review.

Safety, Flexibility and Wireless Convenience in One LTM Solution

Data Security

Set up individual user or group access and permissions for the system and within the application. Assign separate lock-down rules for different computers on the same network. Access Audit Logs to review user activity on the system. Security is integrated with Microsoft® Active Directory and peace of mind is enhanced with system encryption.

Service

Natus Neurology is committed to providing exemplary service to our customers. Our dedicated and experienced Customer Service Team will assist with every aspect of an order. To support our products, we provide factory-trained Field Technicians and Clinical Application Specialists for onsite support. Additionally, we provide an in-house Technical Support Team, staffed with experts, and a strong distribution network in International Markets to offer a wide range of service options. Allowing our customers more time to care for their patients is our goal. Customer loyalty is our reward.

Supplies

Natus Neurology offers a full range of neurodiagnostic accessories and supplies promoting patient comfort. Our dedicated customer service team provides a streamlined order and shipping process to save you time and money.

To learn more about Natus Neurology Service Programs or our full line of Supplies and Accessories, contact your local distributor or sales representative.

US Customers Call: **1-800-356-0007**

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