

The Comprehensive Solution for LTM Monitoring

Safety: Constant EEG monitoring even when patient is not connected to acquisition station.

Flexibility: True TCP/IP amplifiers and cameras with DHCP support that plug in anywhere on your network.

HIPAA: XLSecurity role-based HIPAA compliance package.

Reliability: Microsoft® SQL Server with distributed database support.

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

Performance: Up to 2KHz signal sampling frequency with synchronized high-resolution MPEG-4 video. Integrated Spike & Event detection and trending.



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.

Continual Monitoring Even When the Patient Unplugs

BIG CAPABILITIES COME IN SMALL PACKAGES

It's easy to add neurological monitoring to your patient just by plugging the XLTEK EMU40 and XLTEK Brain Monitor into any network port. The cameras and amplifiers support both static and DHCP Ethernet connectivity without the need for expensive proprietary cables and without the need to rewire the rooms. The amplifiers are so compact and lightweight that they are very comfortable for the patient to wear. Sophisticated Natus NeuroWorks software provides continual monitoring of a patient's status, trends and patient event alarms, reporting it to an unlimited number of monitoring stations on the network.

PHYSICAL BARRIERS ARE NO BARRIER TO THIS SYSTEM

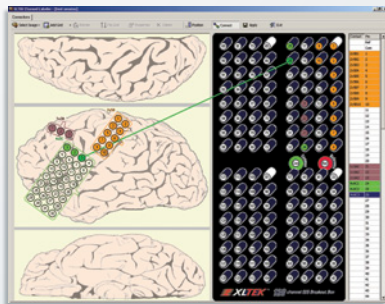
Software controllable IP cameras and high resolution MPEG-4 video provide outstanding results and help you keep an eye on the patient at all times. One can monitor and review EEG with video remotely over the Internet. This operational flexibility improves continuity-of-care without confining you to one location.





THE DATA STAYS SECURE

The small XLTEK EMU40 breakout box with built-in wireless capability allows video EEG monitoring even when the patient disconnects from the main unit for daily care routines. And wireless connectivity doesn't sacrifice data quality or bandwidth with its 1 KHz sampling frequency. EEG data is recorded on a flash memory in the wearable unit and uploaded when the patient plugs back in, guaranteeing no data is lost or compromised. Privacy compliance is assured through an XLSecurity layer that provides role-based access and records all data retrieval of sensitive patient information as required by federal HIPAA regulations.



INNOVATION IS IN OUR SYSTEM

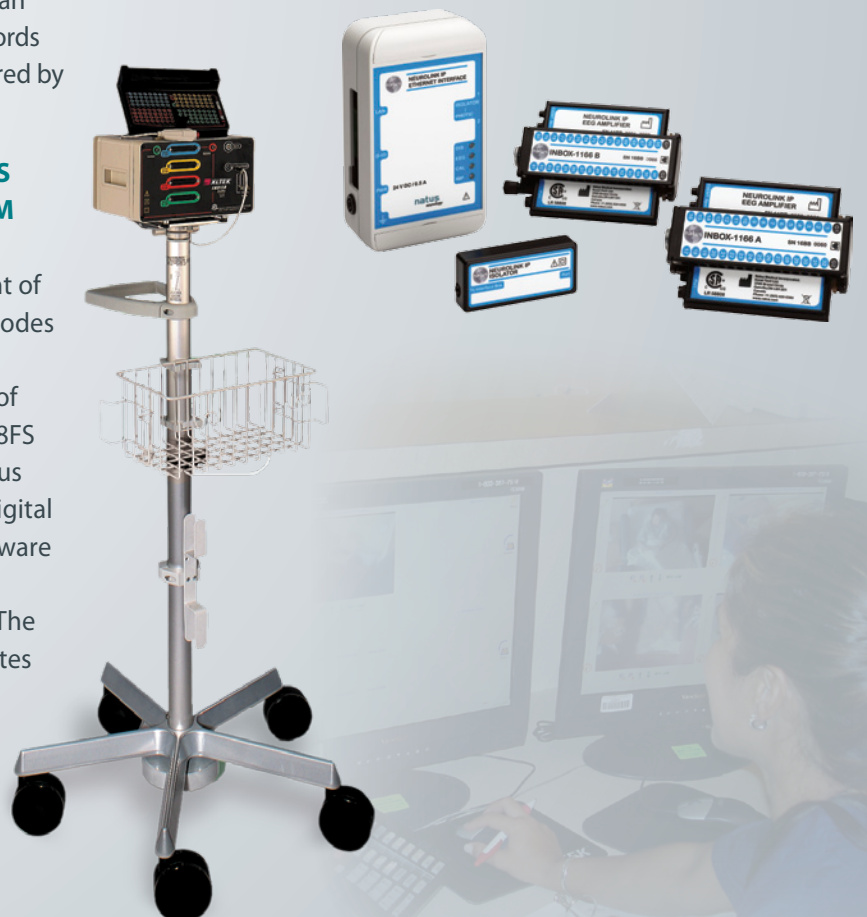
Errors from the manual placement of stimulation electrodes are eliminated by the combination of the XLTEK EMU128FS amplifier and Natus

NeuroWorks switch control software. The integrated Digital Switch Matrix (DSM) circuitry and Channel Labeler software record a visual representation of the patient's grid and synchronize stimulation results with the study record. The EMU128FS built-in saturation recovery circuitry eliminates stimulation artifact in less than one second so you can identify important physiological data.

FINDINGS ARE MORE EASILY IDENTIFIED THROUGH EASY COLLABORATION

EEG technicians can monitor and review data from any station on the network, multiple users can access data simultaneously through the powerful MS SQL Server database for quick consultations and built-in productivity tools automatically mark and prune data to help save valuable time.

Safety, Flexibility and Wireless Convenience in One LTM Solution





Data Security

Setup 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.

A High-Performance System with High-Performance Support

Standing behind every XLTEK product is Natus Medical Incorporated, an internationally respected innovator of medical products and services (Nasdaq: BABY).

Our LTM systems are backed up by an in-house support team staffed with technical and clinical experts, 24/7 support for LTM, EEG and Sleep Diagnostics, remote support via WebEx or VPN, the largest clinical and technical field support network in Neuro/Sleep and customized service contracts that include preventative maintenance visits and computer upgrades. No one supports you better than Natus.



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P/N 104721-A4 Rev. D

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