



NEONATAL BRAIN MONITORING

Critical Care for your most delicate patients

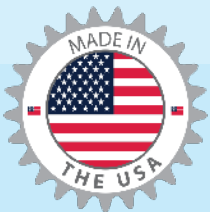


Clinical Applications

- Evaluate cerebral function
- Identify neonatal seizures and monitor the effects of treatment
- Early assessment of outcome after a brain injury HIE, IVH or stroke EEG
- Early identification of pre-term brain injury
- Early evaluation of cerebral maturation

The NICU Solution

- Single USB cable for amplifier and camera aids simple setup
- Continuous impedance check alerts to loose electrodes or high impedance
- Color-coded non-proprietary inputs enable quick setup and support any electrodes: needles, surface electrodes, or caps
- Easy to use software with touchscreen options
- Get visual and audible notifications of major events
- Expand the channel count on-the-fly
- Network patient data for real-time remote review (optional)



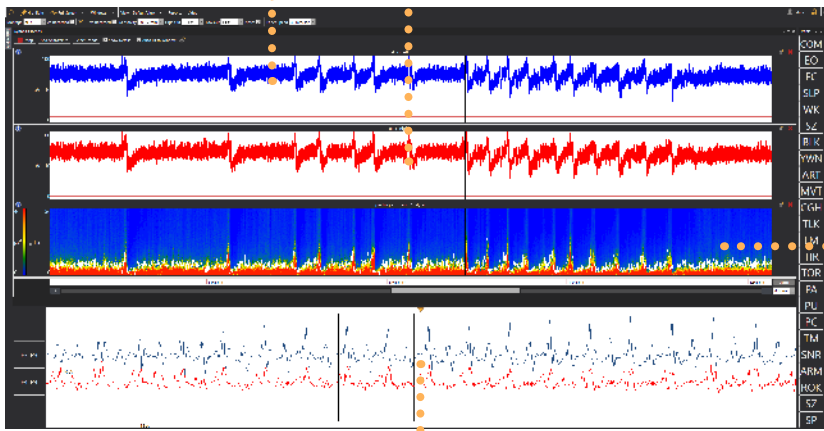
Arc Essentia is a compact, flexible solution to accurately measure, analyze and report brain function in the Neonatal ICU.

Arc Essentia
EEG

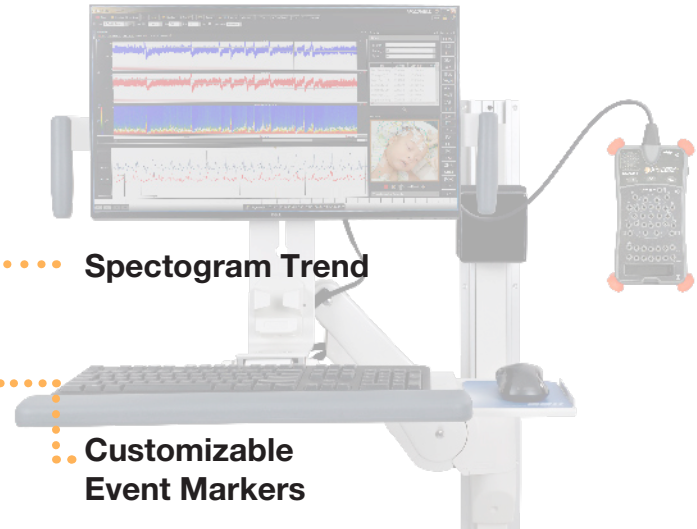
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aEEG Trends Left and Right



Raw EEG Data



Spectrogram Trend

Customizable Event Markers

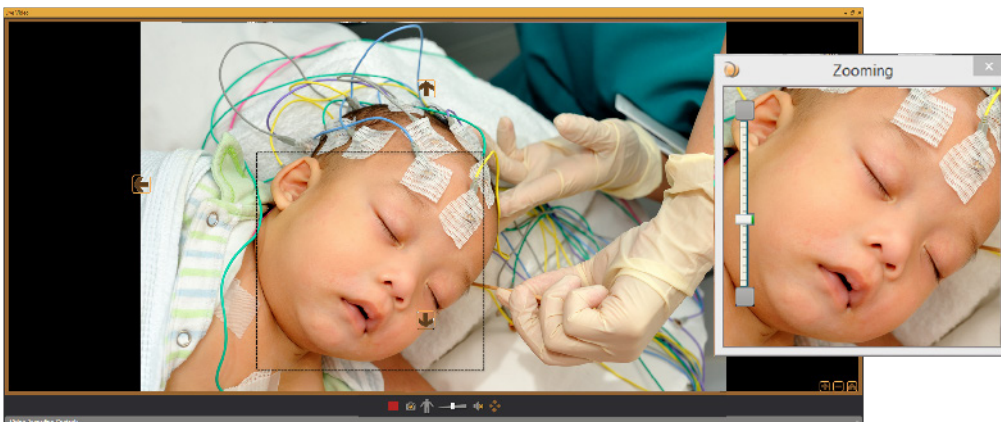
With the Sentinel Monitoring Station, from one central computer you can:

- Monitor multiple patients
- Receive audible and visual event notifications
- Control cameras
- Enter events
- View and review EEG and video

Build the system you need:

- Flexible configurations include wall-mounting and cart-based systems
- Add EKG, oximetry, and respiration to view sleep patterns
- Remotely monitor neonatal patients from outside the NICU with CadLink

Improve care and capture important information in the NICU with optional Synchronized Q-Video



- Two views of the neonate with one camera
- Detect subtle movements in Q-Video with accented colors on the video so you don't miss seizures or abnormal movements
- Display video in a separate window or monitor
- Add video screen capture and trace images to reports