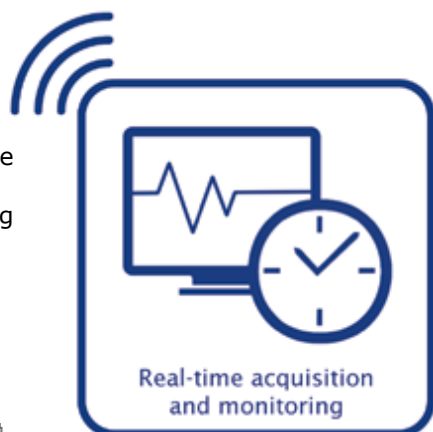


### Workflow improvement

In a multiple EEG station environment, the Sienna range design philosophy allows users to move easily between different stations without the need for additional training on separate platforms.

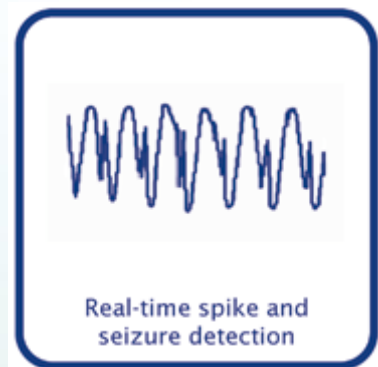
64 CHANNEL  
Amplifier  
version



Real-time acquisition  
and monitoring



Bidirectional communication  
over the „Ultimate“

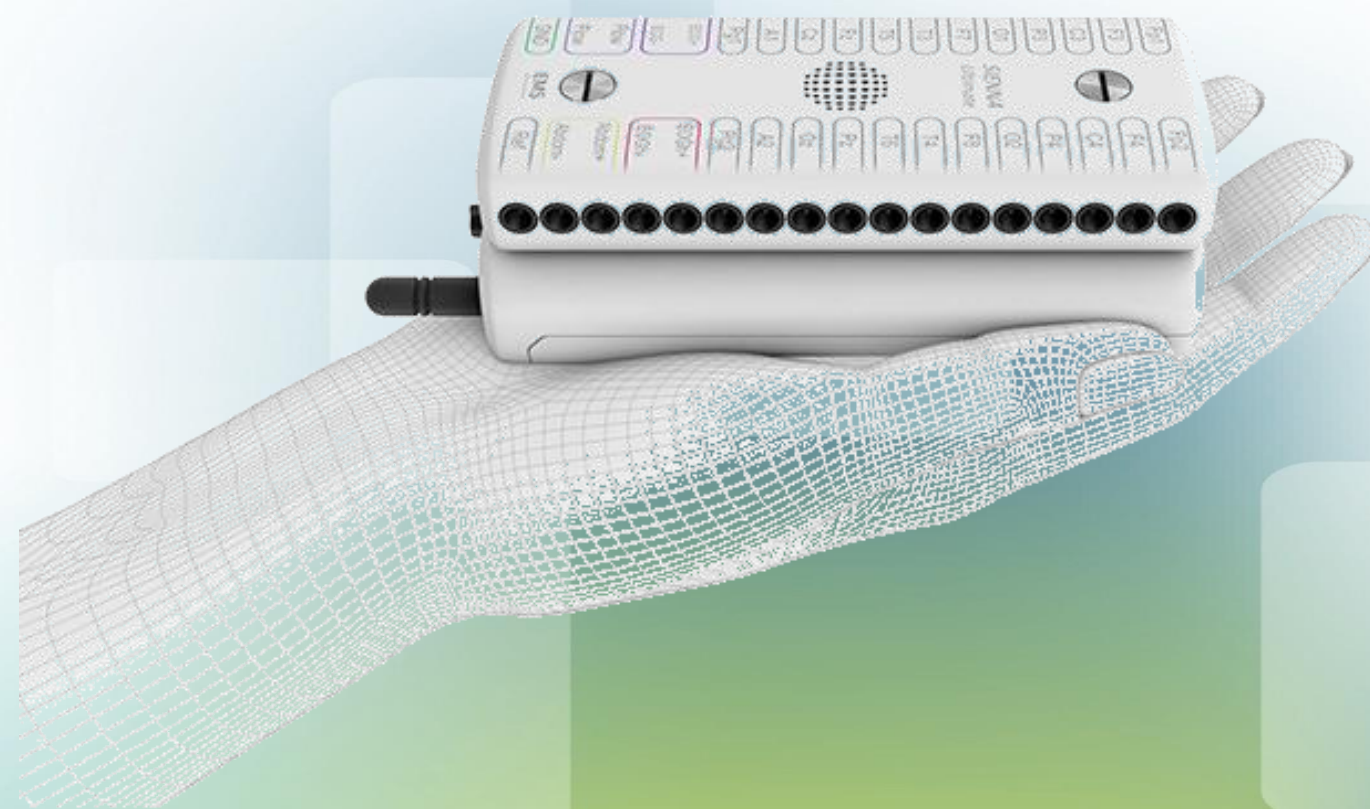


Real-time spike and  
seizure detection

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Sienna  
ULTIMATE

## The new hybrid LTM, Ambulatory EEG and PSG Amplifier



### Expertise in Medical Solutions

With more than 30 years experience in Neurophysiology EMS continues to provide innovative technologies for Neurophysiology diagnostic examinations. Our products are designed and developed to satisfy the most demanding customer needs and guarantee reliability, quality and flexibility in performance. In addition to our neurodiagnostic units for EMG/EP/IOM, EEG, ERP and Poly EMG we offer Electrical Impedance Segmentography units as well as a full range of accessories and supplies. Choose EMS products and use our professional worldwide sales, service and support network. Our international team of trained application specialists will provide you with individual user training and post-sales support.

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## The new hybrid LTM, Ambulatory EEG and PSG Amplifier from EMS

## Sienna ULTIMATE Wide range of headboxes

One 32 or 64 channel amplifier can be used for different applications simply by replacing the Amplifier headbox from the complete range of interchangeable Sienna Ultimate headboxes.



EEG Headbox

SLEEP Headbox

NUMERICAL Headbox

32 / 64 CHANNEL Amplifier

Optional: Combine two 64 channel Sienna Ultimate amplifiers for 128 channel recording.

10/20 System Headbox

THE SIENNA ULTIMATE IS A BRAND NEW EEG PRODUCT FROM EMS, DEVELOPED USING THE LATEST TECHNOLOGY. ITS NEW HYBRID LTM AND AMBULATORY EEG AMPLIFIER HAS 32/64 UNIPOLAR OR BIPOLAR CHANNELS, INTEGRATED LITHIUM-ION BATTERY, 32 GBYTE MEMORY CARD, SAO2 AND WI-FI INTERFACE.

The unique Intercom feature allows direct communication from the patient to nurse station and nurse station to the patient in lab or in a home care environment. Real-time battery charge information is transferred to the nurse station allowing the operator to reduce consumption (switch off Wi-Fi) or to advise the patient to recharge the Amplifier should battery charge get low.

EEG real-time display is available at the nurse station, even if the patient is outside the building.

The Sienna ULTIMATE hybrid LTM and Ambulatory EEG Amplifier can be configured with headboxes for LTM, Sleep, CFM, 10/20 and 32 channel bipolar EMG for Sports Medicine easily, simply by replacing the headboxes. The 150 gram lightweight amplifier has a patient alarm button as well as a body position sensor, which can transfer 'fall over' information to the nurse station.

The Sienna ULTIMATE can be used for Ambulatory recording for up to 4 days.

Ambulatory use



### Software applications

- EEG record and review
- FFT Spectrum analysis
- Compressed spectral array
- Compressed density array
- Brain Mapping
- Digital HD Video
- Cerebral function monitoring
- Real-time spike detection
- Real-time seizure detection