

# Sienna Ultimate 32 bit

Sienna  
ULTIMATE

32 bit

EEG (Routine, LTM, Ambulatory)

Epilepsy Monitoring (EMU)

Sleep studies (PSG)

ICU Neuro monitoring

NICU/aEEG

ERP



EMS Biomedical announces the first electrophysiological amplifier on the market with an

**incredible 32 bit resolution**

and a sampling frequency of

**1 MHz SAR technology.**

The signal resolution for this technology is 50pV/bit.

## The “Ultimate” in Performance



**Unrivalled signal resolution of 50 pV/bit.**

**Integrated WiFi+LAN functionality as a standard feature**

 **NEUROSPEC**®

R E S E A R C H N E U R O S C I E N C E S



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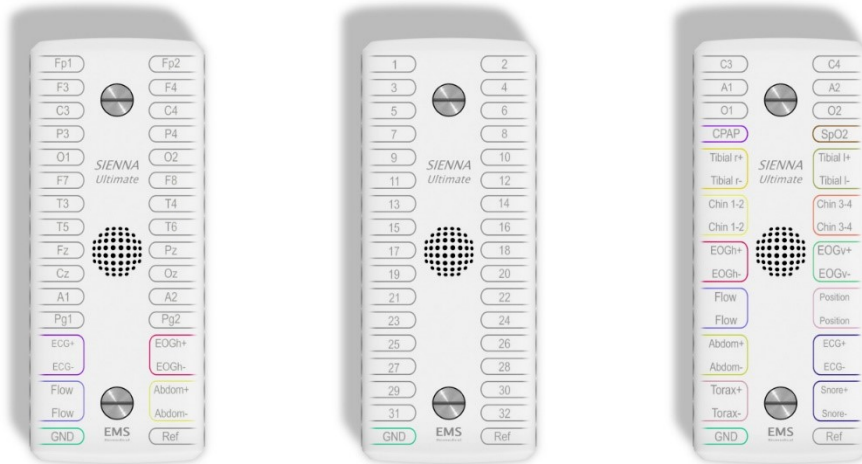
## Wide choice of headboxes

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



Headboxes for many applications are available:

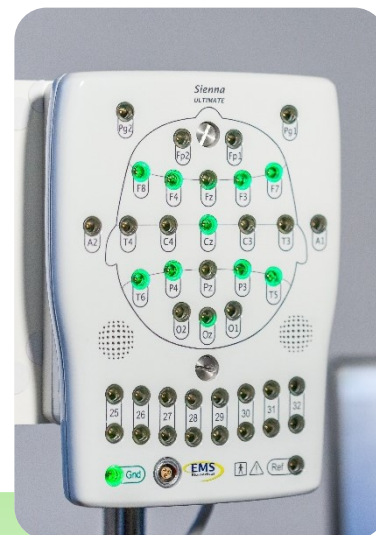
- EEG
- 10/20
- Numerical
- PSG
- EEG/CFM
- ERP
- BM
- Cortical Stim
- and more – can be customised to meet specific requirements



**New for 2021 –  
EMS 'value'  
Photic Stimulator**



**10/20 LED headbox with  
Impedance check**



## Software applications

- EEG record and review
- Compressed spectral array
- Compressed density array
- Brain Mapping
- Digital Full HD Video
- Cerebral function monitoring
- ICU/NICU Neuro monitoring
- Real-time spike detection
- Real-time seizure detection
- Source localization
- Sound playback
- Polysomnography (manual)
- Sleep (Auto PSG) Software Package
- PSG Trend Analysis
- ERP
- BESA Compatibility

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## Workflow improvement

Workflow is critical in any busy EEG or PSG working environment. Our software allows users to move easily between different acquisition and review stations without the need for additional training for separate platforms. There are also no limits with our EEG software in the number of review stations using our review software.

No limits philosophy!

## Trolley (height adjustable) based routine EEG workstation (with 10/20 LED headbox)



## Expertise in Medical Solutions

We have been leading innovation in Neurophysiology for over 30 years. EMS continues to provide innovative leading edge technologies for Neurophysiology diagnostic applications.

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 solutions for NCS/EMG/EP/IOM, EEG, ERP, Poly EMG and PSG we offer EIS (Electrical Impedance Segmentography) in the respiratory support field as well as a full range of accessories and supplies.

Choose EMS and use our professional worldwide sales, service and support network extending to over 120 countries. Our international team of trained application specialists will provide you with individual user training and post-sales support.

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## Typical Portable Solution



## Example of Ambulatory Use

