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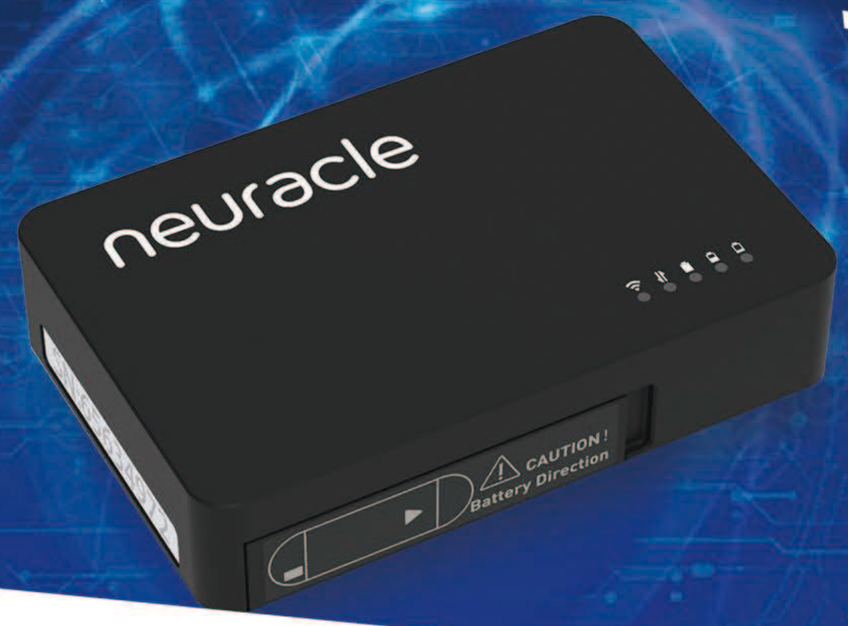
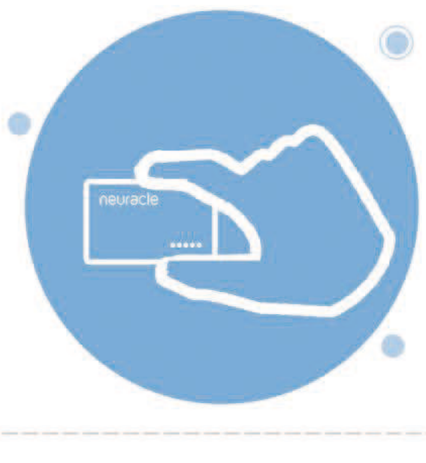
NeuSen W

Wireless EEG System



Portable Design

- Up to 64 channels of wireless synchronized data acquisition.
- Lightweight, compact, flexible and wearable design.
- Robust for ambulatory use in naturalistic environments.



High-Quality Signal

- High precision signal (24-bit) with low input noise (< 0.4uVrms) and high sampling rate digitizers (16kHz/channel).
- Wide dynamic range with real-time motion artifact reduction enable recording during movement.
- Real-time monitoring of signal quality via online or offline impedance checking.

Accurate Timing

- 5GHz Wi-Fi data transmission avoids data loss and signal interference.
- High-precision timing synchronization enables collection of ERP signals.
- Synchronized acquisition across multiple devices allows EEG hyperscanning and multi-subject interaction analysis.

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Specifications

EEG Channels	8-64
Sampling Rate	Up to 16kHz
CMRR	≥120dB
Input Impedance	>1GΩ
AD Resolution	24-bit
Input Noise	0.4μVrms(1-100Hz)
Dynamic Range	±375mV
Frequency Band	DC-coupled Amplifiers retain low-frequency signal (0-4kHz)
Wireless Event and Data Synchronization	Timing jitter < 1ms
Replaceable lithium battery	Run-time of 4 hours

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