HD-72
Dry EEG Headset

No gels or cleanup
Lightweight and wearable
Designed for mobility and high data quality

Cognionics

Cognionics HD-72 Dry EEG Headset

Flexible, Expandable, Versatile

- Optional millisecond precise wireless trigger for ERP research
- Optional auxilliary input module supporting up to 8 analog inputs for ECG/EOG/EMG, respiration, temperature, SpO_2, GSR, and more
- Open access to raw EEG and multiple real-time data output options
- Compatible with MATLAB/EEGLAB, Lab StreamingLayer, Neuropype, BCI2000, OpenViBE, Brain Vision Analyzer, and Mensia
- Custom software development possible

Designed for Real-World Neuroimaging

- Active electrodes with active shielding
- 64 channels of EEG
- Up to 8 optional extension channels
- 24-bit precision
- Real-time impedance check
- Lightweight, wearable design
- Resistant to electrical and mechanical artifacts

EEG Channels	32-64 plus reference and ground
Extension Channels	8 analog inputs with add-on module for ECG/EMG/Respiration/GSR/etc.
Impedance Check	Continuous, real-time monitoring of all channels simultaneous with EEG
A/D Resolution	24-bit simultaneous sampling analog-to-digital converters
Sampling Rate	500 samples/sec at 64 channels, 1,000 samples/sec at 32 channels & below
Bandwidth	0-131 Hz at 500 samples/sec, 0-262 Hz at 1,000 samples/sec
Storage	microSD and microSDHC
Triggering	Compatible with Cognionics wireless trigger
Power	Lithium-ion, 6-hr Wireless, 10-hr SD Card
Weight	350 g including electronics and batteries

Dry Sensor Options

Flex electrode
- Works through hair

Drypad electrode
- For bare skin
- Ionically conductive polymer

Cognionics

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Solutions for neurophysiological research

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