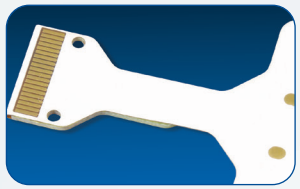
high density EMG/EEG in your pocket

Custom matrixes



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sessantaquattro+

high density EMG/EEG in your pocket

64 channels

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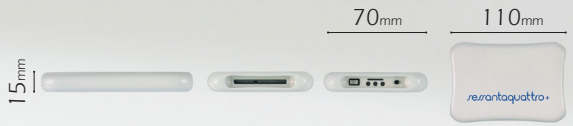


Technical data

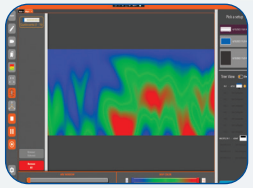
	EMG	EEG
Class	I BF	
EMG Channels	64	
Input range	2 + IMU	
Bandwidth	10 Hz - 500 Hz	DC - 125 Hz
Input range	0-3.3 V_{pp}	
Noise	< 4 μV_{RMS}	
Sampling frequency	2000 Hz	500 Hz
Communication	Wi-Fi	
Resolution	16 bits	24 bits
Life time	8 hours in continuous transmission	
Power supply	1 cell Li-Po battery	
Weight	110 g	

General description

Sessantaquattro+ is a portable system for high density (64 channels) EMG/EEG detection with integrated IMU. Data can be transmitted via Wi-Fi to PCs or stored on SD card for long-term acquisition (›11h). Data can be visualized in real-time with OTBIOLAB23 and Matlab.

Easy High Density EMG Detection

HD Energy Maps



Applications

Compared to legacy bipolar system where only timing and degree of muscle activation can be estracted, with Sessantaquattro+ users may:

- Identify anatomical muscle features;
- Decode the neural drive to the muscles;
- Quantify the spatial distribution of muscle activity;
- 64 channels HDsEMG wireless system, 2 auxiliary inputs and inertial sensor.

...all this and more in your pocket

64 channels

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