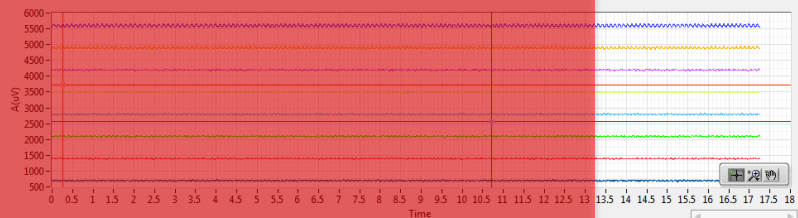


Cognitive research EEG

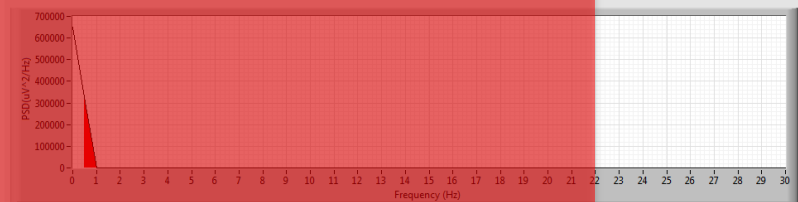


مشخصه						تعداد	نوع	زیر بخش	نام دستگاه
CMRR	Input range	Input impedance	Sampling Rate	A/D	Frequency band	کانال	تحریک		
-110db	5000 μV p-p	> 200 M Ohm	250 SPS/channels	Simultaneous 24 bit	0.01 - 120Hz	64	جریان ولتاژ	ثبت فعالیت الکتریکی مغز	EEG 64 Channel
					TTL 1 Channel			قابلیت سنکرون شدن با تجهیزات جانبی	

Analysis Software



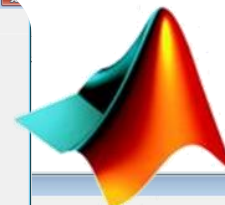
EEG Spectrum | EEG Bands | Mapping



Cursor 0 X: 0.27118 Y: 3721.43
Cursor 1 X: 10.7118 Y: 2580.95

Channel: Ch1

Delta Power: 160000 uV² Delta [%]: 100 %
Theta Power: 5.6 uV² Theta [%]: 0.0034 %
Alpha Power: 98 uV² Alpha [%]: 0.06 %
Beta Power: 6.6 uV² Beta [%]: 0.0041 %



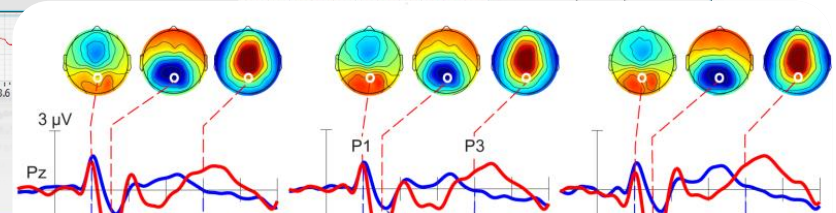
MATLAB

Select Channel 16 Ch

- Ch 1
- Ch 2
- Ch 3
- Ch 4
- Ch 5
- Ch 6
- Ch 7
- Ch 8

Address: C:\Save\test.tdms

Start | Pause | STOP | Record



no	Software	Processing & Feature Extraction
١	EEG Analysis Software	• Amplitude Histogram, Cross- and Auto-correlation, EEG Frequency Bands, Evoked Responses, Spectral Analysis, Stimulus Presentation Event Marking,
٢	Filters	• Analog low pass filter & Digital filter including selectable Low pass, high pass, notch
٣	MTLAB Support	• MATLAB DLLs, SDKs
٤	Connection & power	• USB, Battery Enabled
٥	Minimum System Requirement	• Pentium IV, ٥١٢ MB DDR RAM, ١٦٠ GB HDD, CD/DVD RW, ١٧-٢٥" LCD TFT Display, Key Board, Mouse and UPS