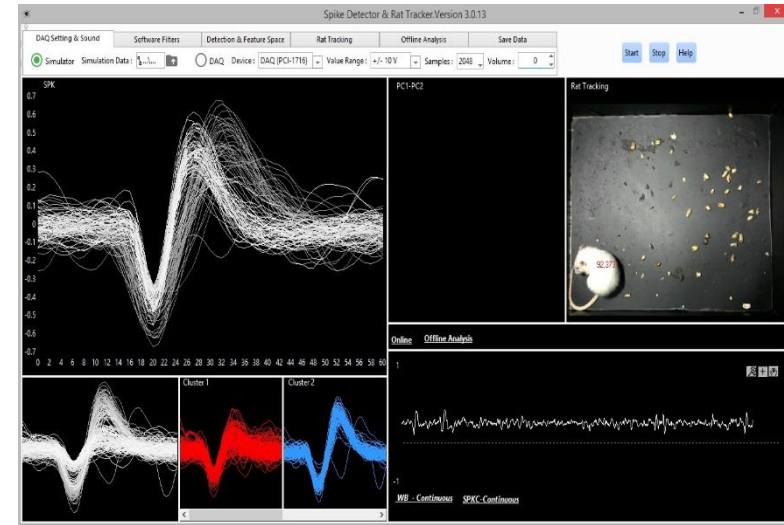


Subsystems	Neural DAQ hardware Neural DAQ software Electrode Adaptor
A/D input conversion	40kHz per neural channel and auxiliary non-neural channels at 16-bit resolution
Time stamping	25 usec
Gain	100,500,1000,2000,5000,10000
Hardware filter	2 pole Butterworth High pass : 10,50,100,400Hz Low pass : 0.5,1,5,10,25kHz
Software filter	6 pole Butterworth High pass : 1 - 700Hz Low pass : 0.8 - 20kHz
Auxiliary non-neural analog inputs	4 channels
Auxiliary digital input	8 bits
Spike sorting	Simulation and online spike sorting Up to 500 spikes overlay Feature space includes PC1-PC2,PC1-PC3,PC2-PC3, Valley-Peak Offline analysis for up to 500 recent spikes includes clustering (up to 4 clusters) and DCI (Desired Characteristics Identification)
Rat tracking	Simulation and online tracking
File type recorded	.tdms file Record up to 10GB per file
Chassis dimensions	20 × 28 × 8 cm



سیستم ثبت خارج سلولی