

**Specification**

Computerized video tracking system is essential for study of different conditions like anxiety, mental, depression, memory learning from small animal in experimental condition.

The system should have the following features like

- 1) **System should be flexible and can be used to track the behavior of rodent in any types of mazes.**
- 2) **Software should have the capability to test multiple apparatus simultaneously.**
- 3) **System should be able to connect to multiple cameras at the same time.**
- 4) **Software should analyse data from pre recorded videos and live video feed as well .**
- 5) **The Software should be compatible to run with either USB, Firewire, Analog or Wireless IP based cameras, OR HD webcams.**
- 6) System should come with one usb camera with lens, mounting bracket & usb cable.
- 7) It should be controlled remotely without any human inference.
- 8) **System should automatically score over 100 different parameters like Overall: distance, speed, direction, Zones: Latency to enter, time in, distance from. Mobility: Latencies, time mobile, mobile bouts, Sequences: Rotations, visit to zone in an order. Behaviors: Counts, durations, frequencies.**
- 9) **System should be able to perform statistical analysis of the test and view results in text, graph or spread sheet formats.**
- 10) System should automatically generate track plotting & Occupancy plotting of test & control subjects.
- 11) System protocol should have the following options for selection like video source, apparatus, zones, ports, sequences, keys, switches, test settings & options, fields, stages, events & actions, calculations, analysis and result, report & data.
- 12) Data can be easily transferred to other programs such as excel, Access etc for further analysis.
- 13) System should have the facility to use keys to score behaviors that can not be scored automatically.
- 14) System should come with current version of behavioral tracking software, one usb camera with lens, camera mounting bracket and usb cable.
- 15) The System should have the facility to store data and reprocess the same as and when required.
- 16) Should have at least 5 users in India as well as 10 international published.
- 17) Installation & Fitting included
- 18) System should be provided with at least two year warrenty and AMC.
- 19) **Computer**  
Branded PC with i5 or move advanced processor, minimum 4 GB RAM, 1TB HDD or higher, Original Windows OS 8 or 10 , DVD RW, at least 21 "TFT monitor, keyboard, mouse, online UPS.
- 20) On sight training by company expert annually for a period of two years.

HOD

  
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