**EXHIBIT A**

**VIDEO COLLECTION AND ANALYSIS SYSTEM**

Turnkey system for video collection in Behavioral Observation Lab:  User-friendly, plug-and-play observation lab equipment for digital audio/video recording and data collection. Control room with software to collect and analyze the audio/video data in a user-friendly manner.

Hardware must include:

* Windows 7 based computer for video capture and recording (including 8 TTL digital inputs from physiological system)
  + List all specs for computer including hard drive(s) size(s)
* Video digitizer board (minimum of 4 video signals at once)
* Ceiling mount video pan tilt zoom (PZT) camera with smoked covers
* Camera control software/hardware
* Ceiling mount microphone w/ amplifier
* Push-to-talk microphone
* Audio speaker and amplifier
* Equipment rack with power supply, surge protector, shelves and spacers
* Cables, connecters, and all associated accessories

Software system for the collection, analysis, presentation, and management of observational data live and on digital video must have the following features:

* Event logging and freeform annotation live or recorded.
* Ability for continuous and instantaneous sampling methods.
* Data exploration & visualization: time-event table, time-event plot.
* Data analysis: descriptive statistics, reliability analysis, lag sequential.
* Project backup & restore utility.
* Compatible with eye trackers, data acquisition systems, and third party hardware/software.
  + Please describe compatibility with eye trackers, data acquisition systems and third party hardware/software.
* Synchronized data acquisition.
* Frame-accurate synchronization of physiological signals, observed events, screen capture and video recordings of the subject.
* Set synchronization for each data stream individually to correct for offset and gain differences without editing the data.
* Import and visualize up to 256 channels of physiological data, sound waveforms or any other time-varying signal.
* Integrated and interactive display of video streams, behavioral event log, time stamped notes, and physiological signals.
* Zoom function, from milliseconds to days.
* Synchronized playback of all data modalities.
* View and export external data fragments based on the data selection.
* Includes software interfaces for common data acquisition systems (Biopaq, DSI, Mini-Mitter, Polar. MindWare)

Support

* Technical support via phone/email for 1 year

Provide a list of three clients and contact information for whom similar projects have been completed by the Contractor.