Description

SMART TAB is a USB tablet developed to be used in research and rehabilitation. The system comprises a tablet, with an I/O interface, and software for data acquisition.

We developed the system with a twofold use:

- **AS A DRAWING TABLET**: the subject/patient could use the tablet to draw, write, compile tests, or any other activity involving the use of a pen or of a pointer. In addition, it is possible to provide or not visual instructions or feedback to the subject/patient.
- **AS A DINAMIC RESPONSE BOX**: the tablet could be used as a response box with complete control on the size and form of buttons.

The use of the tablet might be easily modified in order to fit the particular needs of each customer.

MR

We have developed the SMART-TAB to be fully compatible in Magnetic Resonance (MR) environment. It will be possible to directly transfer your studies directly into a MR environment with just few changes in your experimental setup.

Application

- Psychological Sciences (e.g. behavioural studies, developmental studies, etc.)
- Neuroscience (compatible with TMS, EMG, EEG and in MR-environment)
- Neuropsychology (e.g. compiling computer versions of tests, rehabilitation, etc.)

Advance properties

**I/O INTERFACE** (with Trigger Box optional)
- Multiple TTL compatible input/output channels to mark continuous data acquisition with flags or to trigger different effects
- Complete I/O interface allowing synchronyization with other external devices
- Acquisition starts and stops via external TTL I/O

**DATA ACQUISITION**
- Full control on data acquisition settings
- Export raw coordinate data (e.g. as a txt file) and/or drawing data (e.g. as bitmap or jpg format)

**Other compatibility**

- E-prime integration (v.1 and v.2)
- Compatible with other software for stimuli presentation running in Windows environment
- Mouse emulator
- Driver Multilanguage for Windows XP/Vista/7, Mac OSX 10.7 Lion, Linux Kernel 2.6 3.0