

Eye and Pen version 3 has several novelties, presented here, sorted by category.



A new logo !

A more flexible application

- Windows Vista/7/8/8.1/10 compatible
- Menus and options reorganization

New means for acquisition

- Audio recording
- Network communication
- In/Out triggers (parallel port)
- Ability to select a timing mode for samples (software vs. driver)
- Can be launched via command line (allows to batch experiments)

New script commands

- Keyword %K%: returns the last keyboard **K**ey pressed
- Keyword: %G%: **G**roup name
- Keyword: %S%: **S**ubject's id
- Keyword: %P% retrieves **P**ath with options: scripts, data, images
- Keyword %LCount% returns the numbers of items in the **L**ist (replaces %M%)
- SetLineWidth(width): thickness of the line drawn on screen
- AddToLog(text): add text entry to the default recording log
- JumpToIfKeyPressedIs(Keyname)
- JumpToIfTextIs(Label,TextToCompare,Value,CloseRec)
- JumpToIfGroupIs(Label,GroupName)
- ShowSimpleTrace(TRUE/FALSE)
- PreLoadPics(Filename, Feedback): load all pictures into memory.
- UnLoadPics
- OpenMyLog(AddToName): creates a custom log
- AddToMyLog(TimerMode,text)
- CloseMyLog
- UseParallelPort
- SendToParallelPort(aValue)
- SetParallelPortLines(bitmask)
- WaitForParallelPortValue(aValue)
- SetLightSensorPos (x1,y1,x2,y2): coordinates of the light sensor on the screen
- DisplayPicWithSensor(image,duration,x,y,color): display a colored square at light sensor location over the displayed picture
- Countdown(Duration): displays a count down on screen center
- PlayModel(Modelname, PauseBeforeStart, TimeRatio, WithWatermark, Iscentered): dynamically replays a drawing/writing, with options (replay speed, etc.)
- AddElement(ListIndex, element): add something to an entry of the list
- GetElements(text)

- Keyword %ECount%, returns the count (number) of elements in a line of text
- WriteUntilKeyPress
- UseNetMessage(True/False)
- SendNetMessage(message, options)
- CreateTextFile(Filename)
- AddToTextFile(text)
- CloseTextFile
- CopyFileTo(Source, destination)
- SaveScreenAreaToBmp(Filename, X1,Y1,X2,Y2)
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New tools for analysis

- Export data to Ductus
- More algorithms to build fixations and pauses
- Tablet data filtering (configurable Butterworth filter)
- Enhanced the Sequences management (new sequence list editor, template)
- Added audio sequences management (editor, template)
- New data visualizations

New data extractions

- Movements data when pen is up (above the tablet)

Productivity enhancement

- Command line format conversions (to Eye and Pen 2, Ductus or text)
- New add-on utility to perform boring tasks such as extracting row and columns from Eye and Pen result extraction files (MakeGroup)