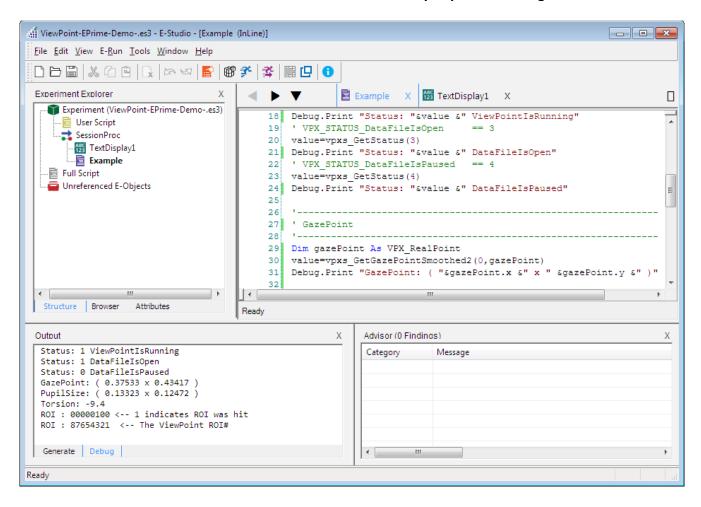
## **ViewPoint EPrime Demo Experiment**

August 16, 2019

E-Prime 3.0 is a 32- bit application, while the ViewPoint EyeTracker is a 64-bit application.

To interface with *E-Prime* with *ViewPoint*, move your *E-Prime* experiments to the ./ViewPoint/Interfaces/VPx32-Client/ folder. Launch ViewPointClient\_32.exe and connect to the *ViewPoint EyeTracker*. The *User Script* file must specify the VPX\_InterApp\_32.dll.

After running **ViewPoint-EPrime-Demo.es3**, the *E-Studio* window may look something like this. The *ViewPoint* Status values and Data values are shown in the **Output panel > Debug tab**.



## The example code is in "Experiment > SessionProc > Example"

```
Dim value As Integer
<sup>†</sup>-----
'Examples of command
vpxver=vpxs SendCommandString("say 'Hi from E-Prime' " & ebNullChar)
vpxver=vpxs SendCommandString("positiveLock On" & ebNullChar)
vpxver=vpxs_SendCommandString("dataFile_NewUnique" & ebNullChar)
vpxver=vpxs SendCommandString("dataFile InsertMarker K" & ebNullChar)
vpxver=vpxs SendCommandString("dataFile InsertString 'A String from E-Prime' " & ebNullChar)
'vpxver=vpxs SendCommandString("dataFile Pause Toggle"& ebNullChar)
'vpxs GetStatus
' VPX STATUS ViewPointIsRunning == 1
value=vpxs GetStatus(1)
Debug.Print "Status: "&value &" ViewPointIsRunning"
' VPX STATUS DataFileIsOpen
value=vpxs GetStatus(3)
Debug.Print "Status: "&value &" DataFileIsOpen"
' VPX STATUS DataFileIsPaused == 4
value=vpxs GetStatus(4)
Debug.Print "Status: "&value &" DataFileIsPaused"
' GazePoint
Dim gazePoint As VPX RealPoint
value=vpxs GetGazePointSmoothed2(0,gazePoint)
Debug.Print "GazePoint: ( "&gazePoint.x &" x " &gazePoint.y &" )"
' PupilSize
Dim pupilSize As VPX RealPoint
value=vpxs GetPupilSize2(0,pupilSize)
Debug.Print "PupilSize: ( "&pupilSize.x &" x " &pupilSize.y &" ) "
·-----
' Torsion
Dim torsion As Double
value=vpxs GetTorsion2(0,torsion)
Debug. Print "Torsion: "&torsion
' Region Of Interest (ROI)
·-----
Dim roi As Integer
Dim strBinString As String
value=vpxs GetROI InCode2(0,roi)
strBinString = Bin(roi)
Debug.Print "ROI : "&strBinString & " <-- 1 indicates ROI was hit"
Debug.Print "ROI : 87654321 <-- The ViewPoint ROI#"
```

## The function prototypes are in "Experiment > User Script".

```
Type VPX_RealPoint
    x As Single
    y As Single
    FAS Single
```