Just like a mouse! Exploring software options for using eye gaze to control your Windows computer

Abstract

Eye gaze technology has been widely used by people with physical disabilities for computer access. A range of activities for home, school and work such as reading e-books, playing games, web browsing, keeping up with social media, online banking and listening to music can be achieved by simply looking at the computer screen and using mouse controls with your eye movement.

We will be looking at the features of Tobii Dynavox Windows Control 2 and Grid 3’s computer control. These are two main options for eye gaze users to have full control of Windows apps, software, keyboards and to independently control the settings of their computer.

Windows Control 2 is software that uses Gaze Selection which is a two-step process that reduces the risk of unwanted clicks. The user looks to choose from a selection of mouse functions on the toolbar and then gazes on the area of the screen that they wish to perform that function.

**Grid 3 uses Zoom to click and Dwell to click. With Zoom to click, the user chooses the type of mouse click required, and then looks at the area on screen where they want to select. Dwell to click is another alternative where you can left-click, right-click, double-click or drag, all without the need to physically press a button.**

Throughout this presentation we will explore the settings required for best outcomes with eye gaze, and with video examples, we will compare the features of Windows Control 2 and computer control in Grid 3.