



Unbeatable computer access  
through **gaze interaction**

**tobii**

Independence with an Eye

## Unbeatable computer access through gaze interaction

The Tobii PCEye is a peripheral eye tracker that enhances computer accessibility with the speed, power and accuracy of gaze interaction.

### **Unbeatable Computer Access**

The PCEye Go runs on standard tablets, desktops or laptops using Windows, allowing you to work hands-free with any application that is normally controlled by a regular computer mouse or through touch.

After installing the Tobii Gaze Interaction Software and a quick calibration, you are ready to surf the web, connect with friends online, play games, Skype, use environmental controls to turn on the lights or TV and even make spreadsheets and documents. Simply look at the tablet or computer screen to control it with the movements of your eye; select by blinking, dwelling, using a switch or our unique zoom click functionality.

### **User interface providing relaxed, precise and faster computer access**

Accompanying the Tobii PCEye is the Tobii Gaze Interaction Software, which eliminates the need for a physical mouse, switch or keyboard. The software has two components, Mouse Emulation, which replaces the traditional mouse cursor with the user's gaze, and the award winning Gaze Selection.

Gaze Selection makes it possible to control your desktop, tablet, or any other application, through an intuitive two-step process that reduces the risk of unwanted clicks. With Gaze Selection you can enjoy:

**More relaxed computer access** – With Gaze Selection there is no floating mouse pointer to distract your eyes, like with most competing systems, which often leads to accidental clicks. With the two-step process of Gaze Selection, clicks are made intentionally and navigation is more intuitive, creating the most relaxed and natural computing environment.



**Ability to hit smaller targets** – Gaze Selection incorporates a unique zoom functionality that gives a virtually pixel-precise control of where you point, click and drag. This pixel precision allows you to use software applications that have not been specifically designed for gaze control, enabling full computer access that was previously only available with a traditional mouse.

**A solution for augmented and alternative communication** - Should you need dedicated, augmented and alternative communication software, you can run Tobii Communicator and Tobii Sono Key. These powerful software packages provide many options for more assisted communication, computer access and environmental control.

Advanced patented algorithms, filtering and high quality components, to name a few, make Tobii eye trackers extremely accurate, precise and robust. The PCEye is one of the most competent computer access solutions available.

More specifically, the Tobii PCEye gives you:

**High precision and accuracy** – The Tobii PCEye allows you to hit even the smallest targets on the screen, almost with pixel precision, again and again.

**Large Trackbox** – The trackbox, the imaginary volume within which you can move your head, is among the largest on the market and gives you the freedom to sit or lie down comfortably with maintained eye tracking performance.

**Head movement compensation** – Move freely within the trackbox while maintaining superior precision and accuracy. Should you move outside of the trackbox, the Tobii PCEye will quickly find your eyes again and continue to track them.

**Superior Trackability** – Provides better tracking results for more people than any other system, regardless of most lighting conditions, eye color, or if you are wearing contacts or glasses.

“ I cannot tell you how much joy, how much laughter, how much independence this has given me. It seriously changed my life.

Stephen Murray

**Faster computer access** – For users not able to operate a standard keyboard and mouse, eye gaze is simply the fastest way to use your computer. And unique only to Tobii gaze interaction you efficiently access all of the functions of your computer with fewer mistakes and clicks, and at high speed.

**Integrated keyboard** – Use the built in key-board to write shorter texts or to enter a web address.

### **Brains and Beauty**

A lot of attention has been given to the look and feel of the Tobii PCEye. Its sleek, contemporary design allows it to discretely blend in with modern desktops and laptops, without drawing any attention away from you or what you want to accomplish or say, but good looks is not all.

### **Increased independence**

The Tobii PCEye provides the opportunity to interact with others, take control and to do what you want, when you want, without having to rely on others – things vital to living a healthy, happy and independent life. The Tobii PCEye can bring you:

**Improved Social Interaction** - With the Tobii PCEye, you can take advantage of all forms of communication. You can write emails to your friends and family, access social networking sites like Facebook and Twitter, and give friends and family

updates about yourself through a blog or a personal website. You can even use it to make phone calls.\*

**Express yourself more easily and creatively** - Artistic expression through eye control can be a healthy way to spend time, acquire new skills and promote creativity, all things that increase health and happiness.

**Independent recreation** - Taking part in any type of recreation is a way to pass the time, have fun, learn, and stimulate your mind. Accessing a computer and the Internet through the Tobii PCEye is one way to do it.

**Control devices in your environment** - You can take control of things like lights, telephones, TVs, DVD players, toys and more, allowing you to regain much of your freedom and independence.\*\*

**Easier on your neck and shoulders** - Using Gaze Interaction can be less straining on your neck and shoulders than using a head or traditional mouse or relying on ergonomic keyboards and switches.

**Greater possibilities for returning to the workplace** – Individuals with disabilities that inhibit the use of the hands or arms can remain in the workplace longer or even return to work using the Tobii PCEye, allowing for completely hands-free computing.



## Extreme portability

Tobii PCEye Go, fits snugly on your laptop or on a desktop computer screen.

With the Tobii EyeMobile bracket you can also use the Tobii PCEye Go together with a standard, off-the-shelf, tablet that runs Windows 8 Pro.

The PCEye Go easily attaches and detaches from your desktop screen or laptop using a smart, seamless magnetic mounting bracket and USB connection. On the EyeMobile bracket, you simply slide the eye tracker into the tube and connect it to the tablet via the USB port.



The PCEye Go is lightweight and small enough to be easily transported and used with different computers and tablets and in different environments, for example at home, at work or in school.

## Scalable Flexibility

All eye control processing is done on the PCEye Go itself, avoiding additional workload for your computer or tablet and ensuring maximum performance. This also means that you do not need the latest tablet, laptop or desktop computer in order to use gaze interaction as an access method.

If you do have high PC performance demands or if you do not want to fall behind

with aging technology, the modular design of the PCEye Go is ideal. Simply upgrade your computer or tablet and continue using the PCEye Go.

## Find out more

For more information, to book a demo or to purchase the device online, please visit: [www.tobii.com/pceye](http://www.tobii.com/pceye).

Specifications	Tobii PCEye Go		
Recommended screen size	Up to 27"		
Screen Size (16:9)	<22"	24"	27"
Working Distance	45-85 cm 17.7-33.5 in	55-85 cm 21.6-33.5 in	65-85 cm 25.5-33.5 in
Trackbox size (w x h)	27x23-52x44 cm 10.6x9.1-20.5x17.3 in	35x28-52x44 cm 13.8x11-20.5x17.3 in	43x33-52x44 cm 16.9x13-20.5x17.3 in
Trackbox depth	40cm 15.7 in	30cm 11.8 in	20cm 7.9 in
Mounting	Magnetic Mount as standard for laptop and desktop, tube mounting for EyeMobile		
Power	Single USB		
Weight	200 g, 7.1 oz		
Dimensions	184 x 28 x 23 mm 7.2 x 1.1 x 0.9 inches		
Operating system	Windows Vista (SP2), Windows 7 or Windows 8 <sup>1</sup>		
System Requirements	CPU 1GHz, 2 cores, 2GB RAM, 60 MB Video RAM, Pixel Shader 2.0 or higher.		
Compliances/Registration	<ul style="list-style-type: none"> <li>IEC/EN62471, Photobiological Safety of Lamps and Lamp Systems</li> <li>EMCEmission: EN 61000-6-3:2001 including EN 55022:1998/A1/A2 Class B, FCC part 15, Class B</li> <li>EMCImmunity: EN 61000-6-1:2007</li> <li>FCC part 15, Class B</li> </ul>		

<sup>\*</sup>Requires phone setup, not provided with the PCEye Go.

<sup>\*\*</sup>Requires ECU separate senders and receivers not provided with the PCEye Go.

<sup>1</sup> The EyeMobile requires a tablet that runs Windows 8 Pro. Please see separate product leaflet for more detailed tablet requirements.

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