

tobii dynavox

The power to
explore my world



Introducing the new PCEye

Turn any Windows device into a true AAC solution

Power to be You



The new PCEye gives you the power to explore your world

The PCEye is our next generation peripheral eye tracker that provides the most efficient and ergonomic way to access your world. With Tobii Dynavox's advanced eye tracking technology, the new PCEye enables you to connect and interact with your computer seamlessly. The key focus of our eye trackers and software is to provide full independence while supporting you on your journey and evolving with you as you grow. With the included magnetic mount and the PCEye Bracket, you can control both PCs and Windows tablets in an efficient and ergonomic way.

The new PCEye is based on the same eye tracking platform as we use in the Tobii Dynavox I-Series devices and can be used with a vast collection of eye gaze enabled apps and software for AAC and computer access. Learn the basics and explore eye tracking with Magic Eye-FX. From there, you can advance to eye gaze access and communication with Computer Control or Communicator 5. The PCEye can take you from simple drawing actions to full computer access and control. Because it integrates with all of our software, the PCEye meets you exactly where you are and takes you where you want to go.



PCEye and the Power to be You

The PCEye allows you to use all the functions of your computer. It's fast, intuitive and gives you access to the many ways that a computer can help enrich your life.

The power to be independent


The PCEye gives you the power to handle responsibilities on your own such as signing documents online, accessing your bank account, making purchases or even managing your business. Utilize the full potential of Windows 10 with Computer Control software.


The power to use the latest technology


The flexible design of the eye tracker combined with software developed specifically with Windows in mind, makes the user experience seamless and keeps you prepared for the latest advancements in consumer electronics.


More than meets the eye

The new PCEye is the tool that gives you the power to take control and define your own path of growth. Get started with Magic EyeFX to learn and explore eye tracking. Use those skills to start communicating with Snap Core First or Communicator 5. Then continue to build skills and develop interests in new areas with Computer Control for more advanced control and communication.

 **Computer Control™** is a different way to interact with and control your computer via eye tracking. It empowers you to become more independent and perform tasks on your own without the help of others. Computer Control not only gives you the ability to control your computer, but it takes into account the most logical and intuitive way for you to do so.

 **Communicator 5** is our premier software that converts text and symbols into clear speech, has tools for computer access, and can control IR-enabled devices in your home such as a TV. It is great for people who are literate, such as adults with ALS. It also includes Communicator 5 Accessible Apps, a more natural and intuitive way to access apps such as Facebook and Instagram.

 **Snap Core First™** is a symbol-supported communication software that delivers a systematic, proven, research-based Core Word framework that lets you start communicating quickly and stay engaged as you grow and evolve. It is based on three pillars for communication success: growth, engagement, and literacy. A new Aphasia page set is available for adults on their journey towards natural speech.

 **Magic Eye-FX** software is a fun way to begin your communication journey by developing access, communication, and interaction skills through creative play and gaming. It provides a no-fail environment for early learners which makes learning these new skills exciting and stress-free. It serves as an entry point for developing many useful skills for eye gaze.



The new PCEye featuring Computer Control

Designed for optimal eye tracking and interaction

Tobii Dynavox is the global pioneer of eye tracking technology, with over 15 years of dedicated research, experience, and innovation. The integrated IS5TD eye tracker is based on years of research and development as well as test data from millions of eyes across all types of users, ethnicities, eyewear, lighting conditions, and other environments. This knowledge has resulted in the most robust and best performing eye tracker in the world.

For those without the ability to use their hands or fingers, eye tracking is the quickest, easiest and most ergonomic way to operate a computer. The PCEye lets you surf the web, connect with friends online, play games, Skype, turn on the lights or TV, and even create documents using only your eyes.



Superior trackability for more people

The PCEye with IS5TD provides higher quality tracking results for over 95% of people compared to any other system, regardless of lighting conditions, eye color, or if you are wearing contacts or glasses.



Fastest eye gaze recovery time

The IS5TD has the best accuracy along with the fastest recovery time. This means if your eyes move outside of the trackbox, your eyes will be picked up immediately resulting in no break in interaction.



Outdoor eye tracking

Created for the outdoors, the IS5TD provides an excellent eye tracking experience that allows you to communicate with confidence, even on the brightest day.



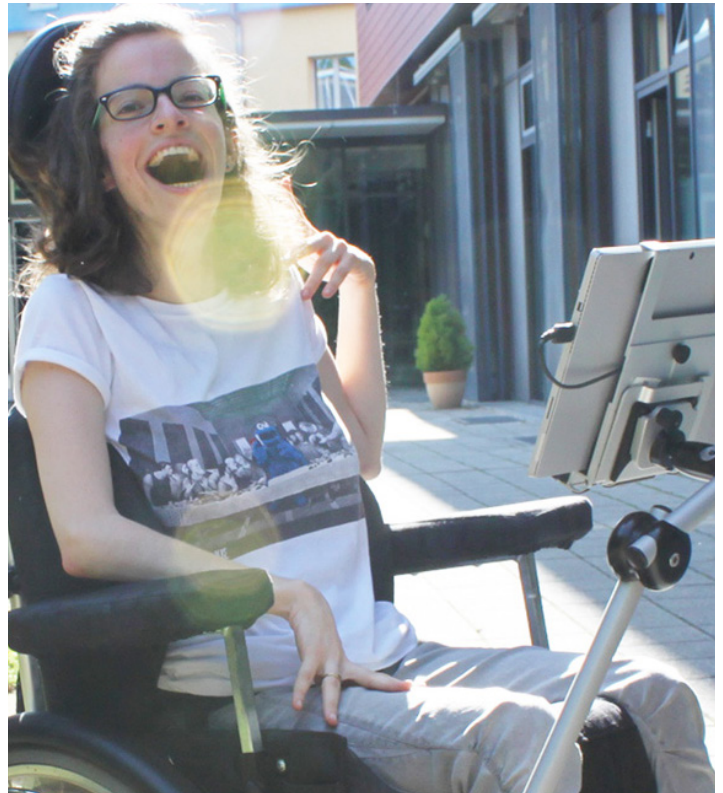
High precision and accuracy

The PCEye, together with the functionality of Computer Control, allows you to consistently hit even the smallest targets on the screen with pixel precision.

Accessories

The PCEye ships with the following accessories: a magnetic mount plate for mounting the PCEye on your laptop or monitor, a quick start guide, USB-C to USB-A adapter, and SwitchIT adapter for switch selection. Along with Computer Control, this is everything you need to use all the functionality of your computer with only your eyes.

For use with a Windows tablet with a screen size up to 27 inches, the PCEye Bracket accessory is available for purchase.



Technical support and warranty



Included with every PCEye is a two-year Tobii Dynavox manufacturer's warranty which guarantees that our delivered products correspond to all of their specifications, are free from defects, and function to their intended use. Learn more about Tobii Dynavox warranties or purchase additional support plans at: <https://us.tobiidynavox.com/pages/warranties>

Product Specifications

Type/Model	Tobii Dynavox PCEye 5 Gen	Detected Gaze (Interaction >30Hz)	99% for 95% of population**
Mounting	Magnetic Mount as standard for laptop and desktop	Accuracy	< 18 mm for 95% of population**
Ports	USB-C USB-A via adapter	Precision (Frame to Frame)	< 0.1° ideal* < 0.2° for 65% of population** < 0.25° for 80% of population** < 0.3° for 90% of population** < 0.4° for 95% of population**
Processing Unit	Tobii EyeChip™ with fully embedded processing	Recommended Screen Size at 65 cm (25.6 in) User Distance	Up to 27 in
Power	2.2W typical usage	Max Head Movement Speed (Eye Position)	40 cm/s
Weight	93 g (3.3 oz)	Max Head Movement Speed (Gaze Data)	10 cm/s
Dimensions	285 × 15 × 8.2 mm 11.22 × 0.59 × 0.32 in	Max Head Tilt	>20°
System Requirements	USB 2.0 or higher, Operating System: 6th generation Intel Core (i3/i5/i7-6xxx) and later, or equivalent AMD 64 bit processor Windows 10 or newer CPU: 2 GHz, Dual-Core (recommended minimum) RAM: 8 GB (recommended minimum)	Frame Rate	33 Hz
User Distance	50 - 95 cm 20 - 37 in	Gaze Latency	25 ms
Head Movement Box	>20 x 20cm ellipse @ 50 cm >35 x 35cm ellipse @ 65 cm	Gaze Recovery	50 ms
User Calibration (Former Tracking Robustness)	>99%		



* The "ideal" degree numbers are the previous standard of measuring accuracy and precision, both previously from Tobii and presently from all eye tracking competitors. Though ideal numbers are useful to get a general feel about comparative quality and performance, they are not applicable to real world usage in the same way as quantitative degree-of-accuracy and precision over percentage-of-population numbers based on extensive testing across representatives of the whole population.

** The degree-of-accuracy and precision over percentage-of-population numbers result from extensive testing across representatives of the whole population. Hundreds of thousands of diagnostic images tests were performed on approximately 800 individuals with different conditions, vision, ethnicities, smudges or blemishes around their eyes, with eyes out of focus, etc. This has resulted in more robust and high performance eye tracking experience and a more realistic representation of true performance across the whole population, not just in a mathematically "ideal" scenario.