

# EyeMobile Mini

## Gaze Interaction. On the Go.



Compact and lightweight, the Tobii Dynamox EyeMobile Mini provides individuals with physical and communication challenges the ability to navigate and control Windows tablets with the most robust eye tracker on the market. With completely hands-free access, the EyeMobile Mini gives users the opportunity to live more independent and connected lives.

### Next Generation Assistive Technology

Composed of the PCEye Mini (the smallest and best performing eye tracker to date), the Microsoft Surface Pro 4, and the multifunctional mounting bracket, the EyeMobile Mini is a truly innovative computer access solution. Built around Microsoft's new touch-based interface for Windows 10, all necessary touch gestures, click types, and side swipes have been cleverly translated into actionable commands using only eye gaze. In addition, by pairing the EyeMobile Mini with Tobii Dynamox's Communicator or Compass communication software, users have a small, portable tool for voice output on the go.

### Gaze Interaction on the Move

Specifically designed with mobile computer access in mind, the EyeMobile Mini has an integrated table stand for quick device setup and a versatile mounting plate to attach to a wheelchair or roll mount for more permanent, mobile use.

### Innovative User Interface

With Tobii Dynamox Gaze Selection and its Windows 10 Functions Overlay, users are able to access all the functions and standard apps that run on their tablet without the need for special apps designed for gaze interaction or eye control.

### Multimodal Input

While Gaze Selection is built to provide complete hands-free use, it can also be paired with switches for even faster computer access. Additionally, touch- and mouse-enabled multimodal input is available, allowing friends, family, or caretakers to quickly intervene or communicate with users.

### Thousands of Gaze-Accessible Applications

The Tobii Dynamox Windows Control software opens up access to thousands of social, professional, entertainment, and educational Windows apps. For example, the EyeMobile Mini makes it possible to:

- Watch movies on Hulu
- Listen to music on Spotify
- Read books on Kindle
- Update Facebook
- Develop spreadsheets in Excel



## The Latest Eye Tracking Technology

The new PCEye Mini sets a new standard in eyetracking robustness and performance, based on years of research and extensive testing. This knowledge has been packaged as new patents, eye models, algorithms – all incorporated into the world's first eye tracking ASIC circuit, the Tobii EyeChip™.

### Additional Benefits of the PCEye Mini

- Features a compact, lightweight, and sleek design for easy transportation
- Captures twice as much data per second than its predecessor and is better able to filter out error
- Eye-tracking processing takes place on the Tobii EyeChip™, ensuring the tablet's performance is not affected
- Runs on the battery of the tablet
- Can be detached from the EyeMobile Mini and attached to a desktop or laptop computer

PCEye Mini

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## Specifications

Tobii Dynavox EyeMobile Mini featuring Microsoft Surface Pro 4

Working distance	45–85 cm 17.7–33.5 in
Trackbox (w x h) <sup>1</sup>	>20x20 ellipse @ 45 cm >25x20 ellipse @ 50 cm >35x30 ellipse @ 65 cm >35x35 circle @ 80 cm
Frame rate	60 Hz
Color of EyeMobile Mini bracket	Silver
Mounting of EyeMobile Mini bracket	Built in table stand for table top use. Tobii QR adapter plate for Daessy and REHAapt.
Tobii Dynavox EyeMobile Mini tablet	Microsoft Surface Pro 4
Dimensions (w x h x d)	29 x 18 - 23 x 4.5 cm (11.4 x 7.1 – 9.0 x 1.77 in)
Weight	Depends on tablet. EyeMobile Bracket + PCEye Mini weigh 389g (0.86 lbs)
Power	Tobii Dynavox PCEye Mini connected via single USB connected to tablet
Operating System	Windows 10
Internet Access	Through Wifi
Tablets with preconfigured screen settings <sup>2</sup>	Dell Venue 11 Pro, Dell Venue 11i Pro, Dell Latitude 10, Microsoft Surface Pro 1 & 2, Lenovo ThinkPad Tablet 2, ACER Iconia W700, Samsung ATIV Smart PC 500T
Tobii Dynavox PCEye Mini System Requirements	CPU: 1GHz, 2 cores, RAM: 2GB GPU: 60 MB video RAM, pixel shader version 2.0 or higher

<sup>1</sup> Freedom of head movement at a 70 cm distance from the eye tracker that describes the volume in which the user must have at least one of their eyes.

<sup>2</sup> Other tablets will work with Tobii's software using a "manual" screen size configuration, made easy with Tobii Dynavox's automatic Configuration Guide.

## The Tobii Advantage

### The PCEye Mini provides:

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

**Large trackbox** – The trackbox, is among the largest on the market and gives users the freedom to sit or lie down comfortably with maintained eye-tracking performance.

**Superior trackability** – Provides better tracking results for more people than any other system.

### Head movement compensation

– Move freely within the trackbox while maintaining superior precision and accuracy. If users move outside the trackbox, the PCEye Mini will quickly find their eyes again and continue to track them.