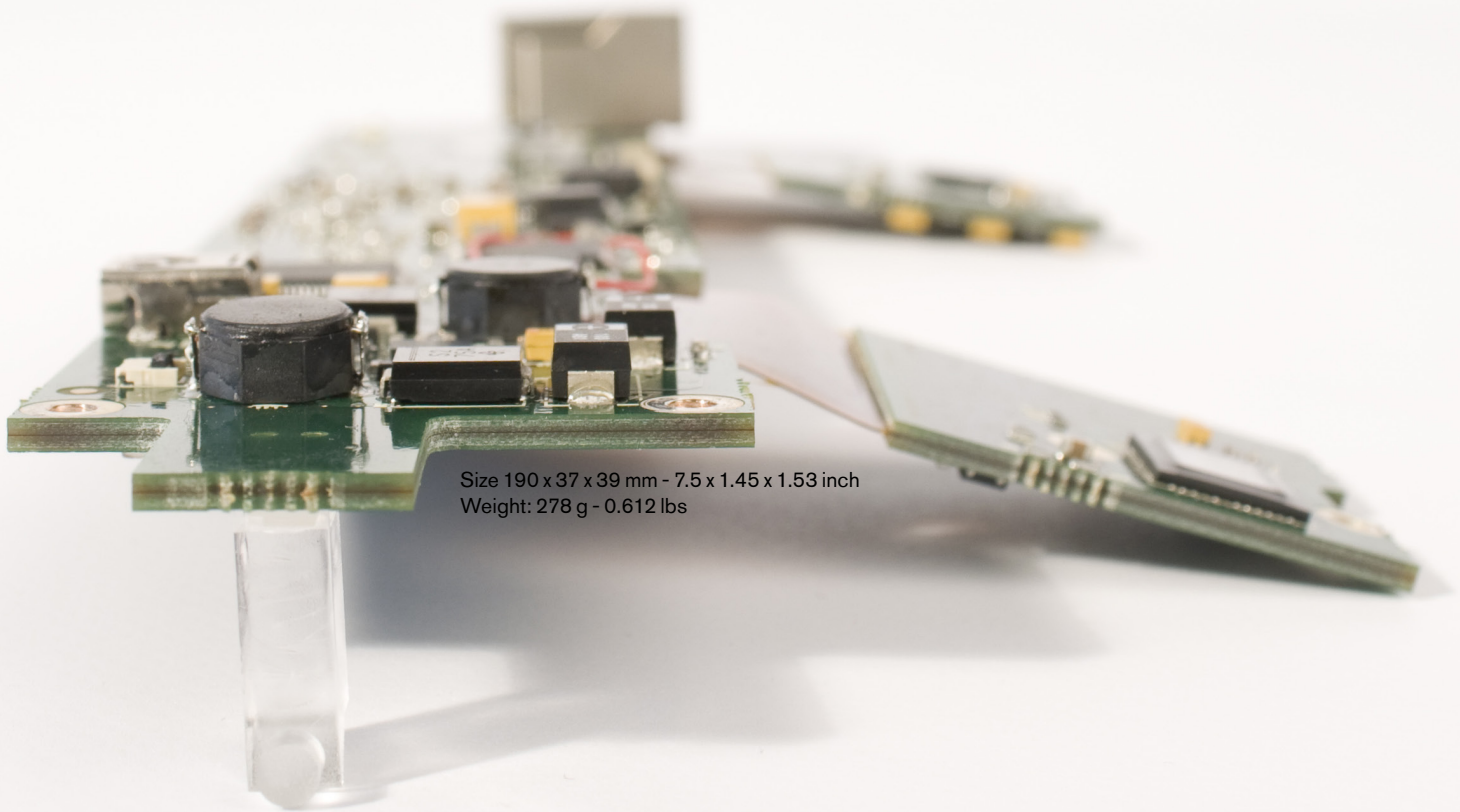
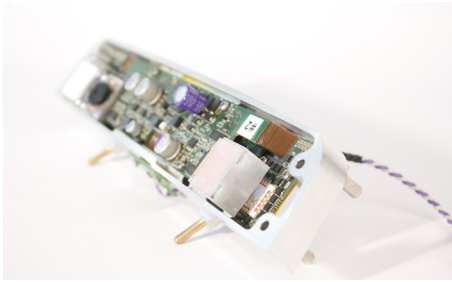


**The world's first off-the-shelf,
embedded eye tracking system
for seamless integration**



Size 190 x 37 x 39 mm - 7.5 x 1.45 x 1.53 inch
Weight: 278 g - 0.612 lbs



Example of a product integration

Off-the-shelf, embedded eye tracking system

Tobii Eye Tracker IS (Integrated System) is the world's first off-the-shelf, embedded, eye tracking system. Cut investment costs and development time to a minimum, when adding eye tracking capabilities to products such as gaming machines, medical instruments and vehicles.

Tobii Eye Tracker IS represents a huge technological advancement, satisfying medium and mass market demands for smaller size, embedded processing, lower power consumption, and scalability. Performance can be relied on in volume applications that require tracking to be fully automatic and to work on basically anyone without any restrictions on the user or the slightest compromise in tracking quality.

Tobii Eye Tracker IS is an OEM platform, sold only as a component and to volume customers.

Designed for quick & efficient integration

Tobii Eye Tracker IS provides gaze point, eye/head position and pupil size data.

Tobii Eye Tracker IS provides new, unique opportunities to advance the performance of your product. Add reliable, embedded eye tracking capabilities quickly and efficiently, with a minimum investment and without eye tracking knowledge.

Ready-made hardware interfaces and software libraries for eye control and eye-gaze analysis make it easy to integrate the eye tracker into your device and to eye tracking-enable your application. Tobii Eye Tracker IS Development Kit provides an all-inclusive toolbox that supports productive development of a wide variety of interaction, analysis and presence detection applications. You can bring new sophisticated products to market in the shortest time.

Small enough to fit into your device

Tobii Eye Tracker IS is packaged into a single, compact design that allows seamless and easy integration. The entire system is integrated on a single board, including sensors, optics, illuminators, and embedded processing, offering a small physical foot-print. Tobii Eye Tracker IS consumes substantially less power than earlier systems and eye tracking data is directly communicated via USB.

Performs in large industry applications

Using Tobii's revolutionary core technology, Tobii Eye Tracker IS has several unique characteristics, mandatory for use in volume applications: The user is not affected or restricted in any way. There are no disturbing external cameras or lighting units. The user doesn't need to "do" or "wear" anything and can move freely thanks to large head movement tolerance. Tracking is fully automatic. High accuracy can be relied on regardless of glasses, contact lenses, eye color, age, ethnic background or light conditions.

Easily scales to mass-market volumes

Tobii Eye Tracker IS can quickly be scaled to mass market production volumes. Tobii supports both high and low volume production.

Tobii support from start to finish

Tobii provides integration expertise complete with full service and support. If necessary, we work with you as a partner to provide customizations and satisfy specific performance needs. You can rely on and expect assistance, development support and the highest level of professionalism.

Technical specification

Below is a Tobii Eye Tracker IS standard specification. Other characteristics such as higher data rate and larger tolerance to head movements can be provided on a custom project basis.

	Tobii Eye Tracker IS Z1	Tobii Eye Tracker IS Z2
Data output	Gaze point, eye position	
Gaze point accuracy	< 0.5°	
Data rate	20 - 30 Hz	
Distance to tracker *) can be set at different center	45 - 65 cm* 18 - 25.5 inch	40 - 80 cm* 15 - 31.5 inch
Freedom of head movement	40 x 30 cm at 60 cm 15 x 12 inch at 23.6 inch	
Binocular tracking	Yes	
Bright/dark pupil tracking	Both – automatic optimization	
Power consumption	5 W	
Hardware interfaces	USB 2.0 Ethernet 10/100BASE-T	
Software interfaces	Raw gaze API, eye control engine API	
Total size	190 x 37 x 39 mm 7.5 x 1.45 x 1.53 inch	
Total weight	278 g 0.612 lbs	

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EMEA
Tobii Technology AB
Karlsvägen 2D
S-182 53 Danderyd
Sweden
+46 8 663 69 90 Phone
+46 8 30 14 00 Fax
sales@tobii.com

NORTH AMERICA
Tobii Technology, Inc.
510 N. Washington Street
Suite 200 - Falls Church, VA
22046 - USA
+1-703-738-1300 Phone
+1-888-898-6244 Phone
+1-703-738-1313 Fax
sales.us@tobii.com

ASIA
Tobii Technology, Ltd.
3-4-13 Takanawa, Minato-ku
Tokyo 108-0074
Japan
+81-3-5793-3316 Phone
+81-3-5793-3317 Fax
sales.jp@tobii.com

CENTRAL EUROPE
Tobii Technology GmbH
Niedenau 45
D-60325 Frankfurt am Main
Germany
+49 69 24 75 03 40 Phone
+49 69 24 75 03 429 Fax
sales.de@tobii.com

tobii
www.tobii.com