

**МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ  
СУМСЬКИЙ ДЕРЖАВНИЙ УНІВЕРСИТЕТ  
КАФЕДРА ІНОЗЕМНИХ МОВ  
ЛІНГВІСТИЧНИЙ НАВЧАЛЬНО-МЕТОДИЧНИЙ  
ЦЕНТР**

**МАТЕРІАЛИ  
X ВСЕУКРАЇНСЬКОЇ НАУКОВО-ПРАКТИЧНОЇ  
КОНФЕРЕНЦІЇ СТУДЕНТІВ, АСПІРАНТІВ ТА  
ВИКЛАДАЧІВ  
ЛІНГВІСТИЧНОГО НАВЧАЛЬНО-МЕТОДИЧНОГО  
ЦЕНТРУ КАФЕДРИ ІНОЗЕМНИХ МОВ**

**“WITH FOREIGN LANGUAGES TO MUTUAL  
UNDERSTANDING, BETTER TECHNOLOGIES AND  
ECOLOGICALLY SAFER ENVIRONMENT”**

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## THE EYE TRIBE

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The Eye Tribe is an amazing technology that allows interacting with devices in unusual way. It is sure everyone wants to know how it works.

Eye Tribe Tracker is the world's most affordable eye tracker that comes with a software development kit. The Eye Tribe develops software that enables eye control on mobile devices and computers, allowing hands-free navigation. This enables you to integrate an eye tracking technology into your applications and games.

Eye tracking is the process of using sensors to locate features of the eyes and estimate where someone is looking (point of gaze). This technology relies on infrared illumination and uses advanced mathematical models to determine the point of gaze.

The Eye Tribe Tracker can detect the movement of the pupil with sub-millimeter precision. The average accuracy is around 0.5 degree of visual angle, which means that the system is capable of determining the on-screen gaze position roughly within the size of a fingertip (<10mm).

The Eye Tribe Tracker complies with the essential health and safety requirements set by the FCC and CE directives. The Eye Tribe Tracker is using near-infrared illumination, it conforms to the EN 62471 standard and this product has obtained EU declaration of conformity. This hardware has been tested and approved by a certified lab according to said standard, and is therefore safe to use.

The Eye Tribe software enables eye control on mobile devices, allowing hands free navigation of websites and apps, including eye activated login, enhanced gaming experiences and cloud based user engagement analytics. The Eye Tribe intends to become the leading provider of eye control technology for mass market consumer devices by licensing the technology to manufacturers.