

# Eyeguide Mobile Tracker

## EYEGUIDE<sup>®</sup> MOBILE TRACKER

Now see what others see as they see it—  
wherever they are, whatever they are doing.



- Live tracking analysis from any device, including tablets and phones
- 90 Degree Field of View Scene Camera
- 5 hours of continuous recording of HD video

# TECHNICAL SPECIFICATIONS

## Mobile Tracker Headset

Interface Design	Video based headset eye tracker
Eye Tracking Technique	Dark pupil
Eye Tracking	Monocular, right eye
Gaze Position Accuracy	0.5°
Eyeware compatibility	Works with contact lenses or glasses
Data rate	60 Hz
Firmware	Embedded
Calibration procedure	9 point, system guided
Post calibration	Yes
Calibration validation	Yes
Parallax compensation	Yes, featured in EyeGuide software
Material	Plastic, rubber, glass, leather
Color	Black
Lenses	Hot mirror glass, IR reflective coating
Audio speakers	Integrated
IR Leds	2
Scene Camera Video and Format Resolution	1280x720 H.264 @30fps
Scene Camera lens aperture and focal length	F3.2, 3.02mm
Scene Camera recording angle/visual angle	97° horizontal, 40° vertical, 136° diagonal
Online Communication	Integrated wireless for live viewing on multiple platforms (802.11g)
EyeGuide cable length	1829mm, 72"
Headset dimensions	6.2" wide, 8.11" high, 8" deep
Head sizes	US 6.5 to 8 (EU metric 52 to 64) or XS to LG
Compliance	FCC certified

## EyeGuide Control Pack

Storage media	Micro SD card, 32GB
Maximum recording time	5hrs continuous
Main battery life	5hrs continuous
Main battery	Rechargeable Li-ion, 15000mAh
Connectors	Grinbath Tracker power (+5V, 4.0A) connectors
Dimensions	160 x 110 x 58 mm (8 x 5 x 2.3")
Weight	680.4 g (24 oz)
Recording device	PC, MAC OS, tablet and phone



# EyeGuide® Mobile Tracker

## Key Features

### EyeGuide® Mobile Tracker

Two years in the making, built on innovative technology, ongoing iterative user experience (UX) testing, as well as critical feedback from customers of our first generation eye tracker, EyeGuide® Mobile Tracker has been developed to be the ideal combination of affordability, flexibility, and capability.

### Platform Independent

The Mobile Tracker has its own built-in operating system, so you can use it with any platform you choose, e.g. Microsoft Windows, Apple OS X, Apple iOS (iPad, iPhone), Android phones and tablets, etc. Connect to the Tracker using any device supporting the common 802.11g wireless protocol and see what the user is viewing—live—from the device of your choice. And the battery and storage pack, which can be worn on a belt or in a large pocket, allows you to record video and eye tracking data as part of a test for more than five hours before recharging or downloading the test results. Of course, you can record data via the wireless connection to any external storage medium, and you also can connect the Mobile Tracker directly to AC power for non-stop use.

### Wide HD Scene Camera

The Mobile Tracker's built-in scene camera boasts a 90 degree horizontal field of view, the widest among all mobile eye tracking systems. In fact, the scene camera returns HD video covering the user's entire natural field of view. A novel hardware/software solution guarantees head movement compensation and the mitigation of parallax distortion, ensuring 0.5 degree gaze position accuracy (assuming adequate initial calibration), indoors or out, even if the user is moving around carrying out physically demanding or just natural everyday tasks.



### Integrated Software

With built in Analytical and Visualization Software along with a Real-Time API, the EyeGuide® System is a full suite of software to help you test, observe, and analyze eye tracking data. Our EyeGuide® Analyze software has Pre-Defined Areas of Interest (AOIs), which complement other tools including heat maps, gaze plots, and dynamic clusters. You can watch users live from any device using our EyeGuide® Visualize software. You can also control testing, either communicating with the user, or toggling the area of interest so that data collection can be focused dynamically. EyeGuide® Capture software allows you to set up tests with tasks and carry out calibration. Finally, a real-time API (application programming interface) is always available—beamed directly from the hardware—for customized data analysis using the software of your choice.

### Discreet Design

The Mobile Tracker is designed for users with head sizes ranging from 6.5 to 8 (US), so it will accommodate testing on young children through adults. Its headset design allows for researchers to communicate with users during testing, and since the Mobile Tracker is a headset, users with glasses can wear it. In addition, it relies on a hot mirror to calibrate and track the user's eye movements, so no camera obstructs the user's regular vision.

