

Mobile Eye

Tetherless Eyetracking System

The Mobile Eye is a truly tetherless eye tracking system for use when total freedom of movement is required and video with overlaid cursor is the desired output. This system is designed to be easily worn by an active subject. The eye tracking optics are extremely lightweight and unobtrusive and the recording device is small enough to be worn on a belt.

The eye image and scene image are interleaved and saved on a DVCR tape. This method insures no loss of resolution. Tape duration is 75 minutes, battery operation, at full charge, is 130 minutes. This tape is then transferred to an included PC that separates the images, does the analysis and creates a scene video with cursor overlay. Sample rate is 25/30Hz.



This system is designed for indoor or outdoor use and is compact and rugged enough to be used in many sports applications.



The Mobile Eye comes as a complete system with all necessary hardware and software. The portable DVCR can be connected directly to the PC for real time tracking in a laboratory setting. Additional optics and DVCR recorders can be purchased for use with the system allowing for multiple recordings to be made at the same time.

© System Components

- Head mounted optics (76g)
- Color scene camera
- Modified DVCR recorder
- Eye Vision Software
- PC w/3GHz processor



© Innovative Design

- Lightest system on the market
- Completely tetherless
- Works in all lighting conditions
- Easy to set up and operate
- Includes all components

Mobile Eye Applications

⊙ **Market Research**

Use the Mobile Eye while walking down the aisle of a supermarket, reading signs, comparing packaging, etc.



⊙ **Driving Studies**

The Mobile Eye can be moved easily from vehicle to vehicle, is quick and easy to set up and works robustly in all lighting environments.



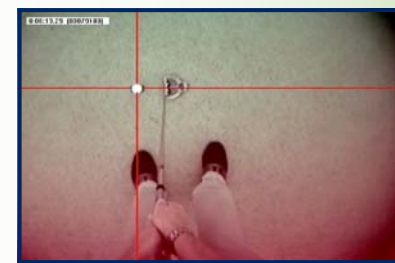
⊙ **Reading**

The Mobile Eye can accurately track eye movement over all types of reading material.



⊙ **Sports Training**

The Mobile Eye is tetherless, lightweight and works in all lighting conditions which makes it ideal for all types of sports training and research applications.



⊙ **The Mobile Eye is Right for Your Application**

The uses for the Mobile Eye are only limited by your imagination. Research or training, indoor or outdoor, this is the system that is right for you.