

Interactive Minds harnesses the power of the eyes to enhance insight into human perception and cognition. Using the latest developments in hardware and software technology, Interactive Minds provides powerful tools to analyze how people perceive and interact with the world.



EYEFOLLOWER™ 2.0 - UNLIMITED FREEDOM

This unique new technology solves eye tracking's tolerance-to-head-motion challenge once and for all. The Eyegaze System's Eyefollower™2.0 accommodates all natural head motions during computer operation.

- Totally Free Head Motion
- Automatic Eye Acquisition with Face Detection
- EFT (Enhanced Focusing Technology)
- 120 Hz Sampling Rate
- < 0.4 degree Accuracy over the whole range of head movement
- Full Range Binocular Eye Tracking - both Eyes
- Fully Automatic Calibration
- All-In-One System for starting right away



THE NEXT GENERATION IN EYE TRACKING

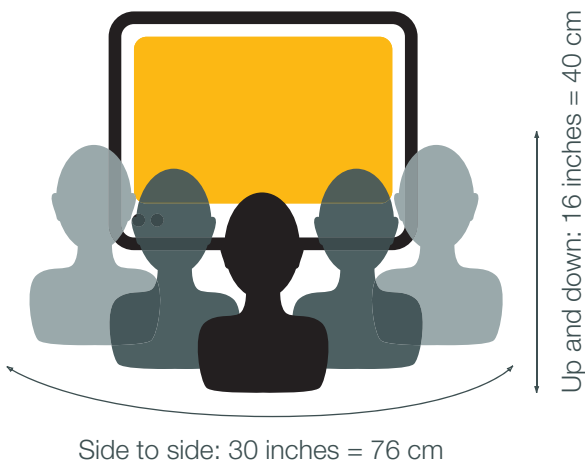


Enhanced Focusing Technology (EFT)

- LC Technologies' EFT achieves consistently high gaze point tracking accuracy throughout the system's head-tracking volume.
- Autofocusing telephoto lenses (rather than wide angle lenses) produce clear, high-resolution images of the user's eyes providing the excellent gaze point accuracy.
- Quiet servo motors continually point and focus the cameras directly on the eyes, allowing the large volume of free head movement.
- All moving parts are invisible to the user.

Binocular Eye Tracking

The Eyefollower™ 2.0 tracks both eyes over the full range of head motion to enhance accuracy.



Head Speed: 8 inches/sec = 20 cm/s

4-Camera-Tracking

The system uses special cameras to track the head position and adjust the eye tracker cameras to the subject's eyes.

Automatic Eye Acquisition

The Eyefollower™ 2.0 automatically acquires the eyes when the user enters the work-space, and it rapidly re-acquires the eyes when he returns his attention to the screen after turning his head away.

High Accuracy

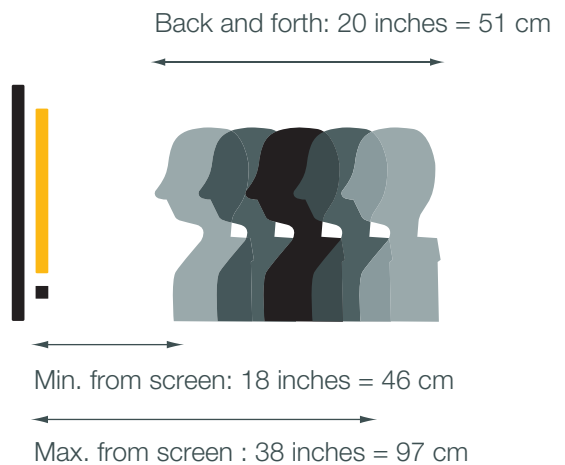
The Eyefollower™ 2.0 achieves its highly accurate 0.4-degree gaze point tracking accuracy throughout the whole operational head range. Even with high computer processing loads, the system samples data at a constant 120 Hz.

Easy Calibration

The hands-free calibration is fast, easy to operate, and long lasting. The calibration can be saved and reused when calibrating the same subject again.

Versatile

The Eyefollower™2.0 may be used with a wide variety of computer monitors, with a projection screen, with stereoscopic displays, or in a real-world, 3-dimensional setting with no monitor at all. 3-dimensional gaze points are available for real or simulated 3D environments.



Head Accelerations: 20 inches/sec² = 50 cm/s²