ASL Mobile Eye-*XG*

NeXTGeneration Eye Tracking Solution for Multiple Applications

Robust Eye Tracking Solution

ASL, the Authority on eye tracking, continues to offer unique eye tracking solutions that impact the way eye tracking studies are being performed.

Realizing the demand for eye tracking across various industries and fields of study, ASL's dedication and commitment continued to push technology for the release of the Ne*X*t *G*eneration Mobile Eye — Mobile Eye-XG.

The sleek and robust Mobile Eye -XG combined with ASL's analysis software offers researchers a complete solution to meet the research needs of today and the future.

Record Your Data Wirelessly

The lightweight glasses consist of two digital high resolution cameras, one that records the scene image and the other that records, the participant's eye. Researchers have the ability to record wirelessly, on the SDHC card, or both. These images are then integrated into a single video recording representing the scene with a superimposed gaze cursor.

The data can then be stored on an SDHC card on the participant's device or sent to a remote work station. Researchers can view the real-time data while the participant performs his or her task.

Easy Setup

Setup is easy with ASL's Mobile Eye–XG automatic threshold and calibration routine. Calibration can be easily verified as well as adjusted. Small children or participants wearing glasses can use the optional frames, allowing flexibility to use the system in a wide spectrum of studies and with a wide range of participants.

Accuracy is the key to any research project. ASL's Mobile Eye –XG reports 0.5—1 degree accuracy. In addition, the Mobile Eye–XG can handle the taxing demand of outdoor experiments.

The participants are able to move freely throughout the environment wearing a small processing device on their side or in a backpack.

Setup is simple, data is accurate, analysis is comprehensive. Eye tracking has never been easier or more accurate.

The Mobile Eye-XG assists researchers in the following areas:

- ***Social interaction research and group dynamics***
- ***Spoken language and reading comprehension***
- ***Combining with other biomechanical devices***
- ***Brand recognition and effective packaging***
- ***Multimedia communications research***
- ***Vehicle/driving safety and research***
- ***Military Sciences***
- ***Usability research***
- ***Aviation research***
- ***Sport psychology***
- ***Product design***
- ***Video games***

ASL Mobile Eye-XG

NeXTGeneration Mobile Eye

Wireless Data Transmission !!

MOBILE EYE-XG GLASSES	
Color	Metallic, Silver, Black
Lenses	Hot Mirror Glass
Adjustable Monocle	Yes
Adjustable Scene Lens	Yes
Frames for Glasses	Yes
Children's Optics	Yes
Sensor Resolution	1600 x 1200
Camera Recording Angle	60 Degrees Horizontal, 40 Degrees Vertical
Weight	78 g

Auto-calibration! Lightweight! Comfortable!

MOBILE EYE-XG RECORDER	
Display	5.7 inch LCD
Controls	Touch Sensitive
Storage Media	SD, Micro SD, SD HC Card
Maximum Card Size	32 GB
Maximum File Size/Recording	4– 32 GB
Maximum Recording Time	>3 Hrs
Main Battery	Rechargeable Li-Ion Smart Battery
Main Battery Life	Up to 4 hours
Dimensions (Length x Width x Depth)	192 x 118 x 50.8 mm 7.56 x 4.65 x 2.0"
Weight	780 g, 1.72 lbs
Connection	802.lln or Gigabit Ethernet

Observe your participants in real time!

MOBILE EYE-XG SYSTEM	
Eye Tracking Technique	Dark Pupil
Eye Tracking	Monocular, Right Eye
Speed	30 Hz
Accuracy	0.5 to 1.0 degree
Microphone	Yes
Firmware	Embedded
Calibration	Automatic
Calibration Validation	Yes
Post Calibration	Yes
Outdoor Enhancements	Yes
Automatic Data Mapping	Yes
Parallax Compensation Tool	Yes
Synchronization w/ external source	Yes

Portable! Easy to Carry! Minutes to Set Up!

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