



NeXtGeneration MobileEye Mobile Eye XG

ASL, True 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 NeXt Generation 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.

The lightweight headgear consists of two digital high resolution cameras, one that records the scene image and the other 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 participants device or sent to a remote work station. Researchers can view the real-time data while the participant performs their task.

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 participant is able to move freely within the environment wearing a small processing device on their side or in a backpack.

Setup is simple, data is accurate, analysis is in depth. 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

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Wireless Data Transmission

NeXtGeneration MobileEye

Mobile Eye XG

MEXG	
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



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 per Recording	4- 32 GB
Maximum Recording Time	>3 Hrs
Main Battery	Rechargeable Li-Ion Smart Battery
Main Battery Life	Up to 4 hours
Dimensions (LengthxWidthxDepth)	192 x 118 x 50.8 mm 7.56 x 4.65 x 2.0"
Weight	780g 1.72 lbs
Connection	802.11n or Gigabit Ethernet

MEXG 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	78g

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