

CZ.1.05/2.1.00/03.0064

Purchase Contract

No. SML/4456/2014

In compliance with S. 2079 and following of Act No. 89/2012 Coll., of Civil Code, as amended (hereinafter referred to as "Civil Code")

I. Contracting Parties

Buyer:	Centrum dopravního výzkumu, v.v.i.
Registered seat/Business office:	Líšeňská 2657/33a, 636 00 Brno - Líšeň
Company Identification Number:	44994575
Tax Identification Number:	CZ44994575
Bank details:	KB Brno – město, č. účtu: 100736621 /0100
Authorized person:	prof. Ing. Karel Pospíšil, Ph.D., MBA, ředitel
Person responsible for realization:	Mgr. František Doleček
Telephone:	541 641 759
Email:	frantisek.dolecek@cdv.cz

(hereinafter referred to as **Buyer**)

Seller:	Applied Science Laboratories
Registered seat/Business office:	175 Middlesex Turnpike, Bedford, MA 01730, USA
Tax Identification Number:	04-2822436
Bank details:	RBS Citizens NA One Citizens Drive Riverside, RI 02915 USA Swift address: CTZIUS33 ABA No: 211070175 Account No: 1300080407
Authorized person:	Virginia Salem
Person responsible for realization:	Virginia Salem
Telephone:	781-275-4000
Fax:	781-275-3388
Email:	vsalem@asleyetracking.com

(hereinafter referred to as **Seller**)

Preamble

Buyer has performed a simplified under-limit procedure to an under-limit public contract on supplies "**VR 57B: Supply of Eye-tracking for Transport R&D Centre**" based on the supply of eye-tracking system for Transport R&D Centre according to parameters specified in Annex 1. Based on the evaluation of offers within the above mentioned tender procedure, Buyer awarded tender to Seller.

Buyer is interested in the Supply of Eye-tracking for Transport R&D Centre in the extent specified in Section II and in Annex 1 of this contract, while Seller is fully aware of Buyer's

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requirement and is ready to perform their activities in order to fully satisfy Buyer's needs in this matter.

II. Contract subject matter

1. Under conditions determined by this contract, Seller undertakes to supply and install **Eye-tracking for Transport R&D Centre** for Buyer in accordance with technical specifications in Annex 1 of this contract, and transfer ownership rights to the goods to Buyer. Seller undertakes to duly supply the goods, including transport and installation in the place of performance, its putting into operation and technical and application training for the operation of the device (hereinafter referred to as "subject matter").
2. Together with the supply of the whole subject matter, Seller delivers to Buyer certificates of warranty, operation manuals, licenses, and other documents necessary for the operation and handling with the subject matter. Operation manuals shall be delivered in Czech language. Under conditions specified by this purchase contract, Buyer undertakes to meet conditions of the subject matter, including accompanying documents, to take over and pay the purchase price to Seller as specified in Section IV of this purchase contract and by the method specified in Section IV of this purchase contract.

III. Place and time of performance

1. Seller undertakes to duly supply the subject matter within 10 weeks from the signature of this contract.
2. After the goods are duly delivered in accordance with conditions specified by this purchase contract, a receipt on delivery and reception of goods shall always be made.
3. A receipt on delivery and reception notes of goods shall be signed by authorized representatives of both contracting parties, while the signature of both contracting parties makes reception and delivery of the subject matter effective and means meeting of the subject matter.
4. A delivery note, containing at least the list of all individual parts of delivery, shall be an inseparable part of the record on delivery and reception of goods.
5. Seller undertakes to inform Buyer of delivery date in writing within 14 calendar days prior delivery, through the responsible person of Buyer (person responsible for the realization), who is specified in Section I of this contract.
6. Place of performance: Office of Centrum dopravního výzkumu, v.v.i., Líšeňská 33a, Brno 602 00.

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IV. Price and payment terms

1. Buyer undertakes to pay Seller the agreed purchase price:

Total price excl. VAT:	CZK 1 380 000,-
Rate (in %) and amount of VAT:	CZK 0,- (VAT = 0 %)
Price incl. VAT:	CZK 1 380 000,-

(in words: onemillionthreehundredeightythousand Czech crowns).

VAT shall be charged in the amount in accordance with legal regulations effective as of the date of the chargeable event. The price is the highest permissible price and may not be exceeded under any circumstances with the exclusion of changes in VAT. The price includes all necessary costs of Seller.

2. Invoice shall comply with valid, generally applied legal regulations concerning tax documents, i.e. comply with Act No. 235/2004 Coll., on VAT, and shall contain the contract number of Buyer: **SML/4456/2014**
3. Invoicing shall be performed on the basis of an invoice issued by Seller after goods delivery including training and its formal acceptance. Invoice shall include delivery notes and training protocol.
4. Invoice is due within 14 calendar days of its delivery to Buyer on the assumption that it is issued in compliance with payment terms and complies with all the above mentioned requirements concerning issuing invoices. In case invoice is not issued in compliance with payment terms and fails to comply with the requirements, Buyer has the right to return such invoice; such invoice expires on return.
5. Regarding the deadline for invoice due date, payment is considered settled on the day Contracting Authority's account is debited and the payment is transferred to Contractor's account.
6. Buyer excludes exceeding of offered price with the exception of changes in VAT rate.

V. Contractual penalties

1. In case Seller fails to meet the time performance of the subject matter agreed in this contract, Seller pays Buyer contractual penalty amounting to 0.05% of purchase price for each day of delay.
2. In case the payment for invoice by Buyer is based on the reception of financial sources from the Operation Programme research and Development for Innovations, Buyer is not obliged to settle the interest on late payment for the maximum of 90 days of delay, if Buyer proves not having had these financial sources available.
3. Buyer is obliged to transfer the amount to be paid to Seller's bank account within 10 days after the reception of these financial sources; in case Buyer fails to do so, Buyer is obliged to

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pay interest on late payment amounting to 0.05% of the amount to be paid for each delayed day from the day following the day on which Buyer received funds from the finance source provider. In case such day is a weekend day or public holiday, Buyer is obliged to transfer the due amount to the account of Seller on the day following such weekend day or public holiday.

4. Contractual penalty is due to be paid within 30 days from delivery of its statement to the contracting party which is obliged to settle this contractual penalty.

VI. Product liability

1. Seller undertakes that the goods, delivered and received in accordance with this contract is, on the day of signature of delivery note and reception note, fully functional, without faults, complies with technical parameters specified in Annex 2 of this contract, and is of adequate quality and design. Seller bears full responsibility for this commitment.
2. Seller undertakes to provide quality warranty for goods for 24 months. Warranty period commences on the day of delivery and reception of goods confirmed by delivery and reception notes.
3. Applying the rights for product liability shall not affect the right to compensation for damage.
4. In accordance with this contract, Seller undertakes to receive goods in the place of performance from Buyer to be serviced within after-sales service free of charge and deals with the complaint within after-sales service free of charge.
5. Within 24 hours of the raised complaint by Buyer, Seller undertakes to check the complained faults and commence work on their removal. In case Seller is unable to remove the faults within 3 months from the date of finding the extent of the complained faults, Seller delivers an appropriate substitute device which will replace the faulty part of the system until the faulty device is put in operation, or delivers the whole goods.
6. Warranty period is not applicable for the time Buyer is unable to use the goods due to its faults which are the responsibility of Seller.

VII. Withdrawal from contract

Buyer has also the right to withdraw from contract in case the costs incurred by the contract for Buyer are considered ineligible by the Managing Authority of the Operational Programme Research and Development for Innovation.

VIII. Conditions of delivery of subject matter

1. The risk of damage of goods is transferred to Buyer at the moment of formal reception of goods.

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2. Seller provides a non-exclusive license without license fees for the existing software technologies, owner by Seller, which are integrated in the goods supplied in accordance with this contract.

IX. Final provisions

1. Subject matter of the public order shall be funded from the project Transport R&D Centre – CZ.1.05/2.1.00/03.0064 within the Operation Programme Research and Development for Innovations (OP VaVpl).
2. Seller is obliged to cooperate in financial controlling in accordance with S. 2 (e) of the Act No. 320/2001 Coll., on Financial Control in Public Administration, as amended. Seller is obliged to allow the Managing Authority of OP VaVpl the access to relevant documentation related to this contract and the respective tender until 2021. Such documentation include potential contracts and related documents which are subject to protection according to special legislation (e.g. commercial secrets, confidential information), upon a condition that all requirements stipulated by the laws are met (e.g. Act No. 255/2012 Coll., Control order). Seller is also obliged to bind with this obligation their subcontractors according to this Section.
3. Seller is obliged to allow all entities which are authorized to perform control of the project, whose funds are used for the supply, to conduct the control of documents related to the performance of the public contract for the time period specified by Czech legal regulations for their archiving (Act No. 563/1991 Coll., on Accounting and Act No.235/2004 Coll., on VAT).
4. Seller is obliged to meet the requirements for mandatory publicity within the programmes of Structural Funds specified in Section 9 of Commission Regulation No. 1828/2006 and the Rules for Publicity within OP VaVpl, in all relevant documents related to the given tender or procedure, i.e. particularly in tender documentation and other documents related to the public contract. Seller ensures respecting the above mentioned rules even for their subcontractors.
5. Ownership rights to the subject matter are transferred to Buyer at the moment of its duly delivery and acceptance confirmed by signatures of both contracting parties in the delivery and reception notes and receipts.
6. Within the performance of the contract and after its termination, Seller undertakes not to disclose any facts they come to know from Buyer regarding the performance of the contract.
7. All the legal issues not regulated in this contract follow the Act. No. 89/2012 Coll., Civil Code.
8. Contract is made in four original copies and each of contracting parties keeps two copies.
9. Contracting parties undertake to deal with potential disputes primarily by agreement. Potential litigations shall be governed by courts of the Czech Republic, applicable law shall be the law of the Czech Republic.

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10. Contracting parties declare that this contract expresses their free, serious, definite, and comprehensible will free of error. Contracting parties have read this contract and agree with its content which they confirm by their signatures thereof.
11. This contract enters into force on the date of signatures of authorized representatives of both contracting parties.
12. This contract can be changed or cancelled only by mutual agreement of both contracting parties, only in writing by amendments numbered in ascending order signed by authorized representatives of Seller and Buyer. Contracting parties declare by their signatures that they are aware of the content of the contract and they conclude the contract based on their free will, neither at distress, nor at unequal terms and in witness whereof they add signatures of their authorized representatives.
13. In compliance S. 147a of the Act on Public Contracts, Buyer, as Contracting Authority, publishes on Contracting Authority's web profile the contract concluded for public contract including all its amendments, the amount of actually paid price for the public order performance, and the list of subcontractors of Contractor (Seller). Seller, as Contractor of public order, is obliged, in compliance with S. 147 (a) of the Act on Public Contracts, to submit to Buyer the list of subcontractors, indicating those subcontractors to whom Seller paid for the performance of subcontract more than 10 % of the total price of public order, or of a part of price paid by Buyer within one calendar year in case the public order performance exceeds one year. Seller submits the list of subcontractors at the latest within 60 days of contract performance or by 28 February of the following calendar year in case the contract performance exceeds 1 year. In case subcontractor is a public limited company, Annex of the list shall include the list of shareholders whose total nominal value exceeds 10 % of the nominal capital, issued within 90 days prior the day of subcontractor list submission.
14. Contract can be terminated by the agreement of contracting parties under mutual offset of costs as of the day of the contracting relation termination.

The following annexes are inseparable parts of this contract:

Annex 1: Technical specification of the subject matter

On behalf of Seller:

In Bedford, MA, USA on 9th July 2014

Virginia Salem

.....
Virginia Salem
Director of Customer Relations

On behalf of Buyer:

In Brno on 27th June 2014

V.Z.

.....
prof. Ing. Karel Pospíšil, Ph.D., MBA
Director

Centrum dopravního výzkumu, v. v. i.



Lišeňská 33a, 636 00 Brno

cdv@cdv.cz
IČ: 44 99 45 7E
DIČ: CZ4499457E

Annex 1 – Technical Specifications

Eye-tracking system - requirements

We seek an independently working system which allows monitoring of a tested person’s gaze, particularly for the needs of traffic surveys within the research of the transport infrastructure arrangement impact on tested persons when driving in traffic, including subsequent evaluation. It is a mobile method to monitor and distinguish gazes within the safety analysis and analysis of tested person’s gazes in space. The system must include hardware equipment for an easy use in a vehicle or another means of transport and software for the evaluation of data recorded during driving.

The system must allow:

- recording of a tested person’s gaze in a video-recording with simultaneous recording of his/her eye movement and subsequent evaluation of the recording,
- monitoring of a tested person’s gaze (driver) and effectively evaluate his/her gaze and eye reaction, particularly what he/she saw, whether he/she perceived what he/she saw, and whether he/she was able to realize and react correctly to a perceived pattern or element,
- monitoring of directly visible eye gaze courses and all parameters of physiological parameters of eyes (e.g. eye fixation, movement and direction of gazes, foveal (2° angle) and parafoveal (10° angle) eye vision, winking and winking rate, time of closed lids, size and movement of pupils, etc.).

Requirements to HARDWARE:

- compact lightweight structure in the form of glasses + recording device which can be placed e.g. on a tested person’s belt
- recording of tested person’s eyes as well as recording of the gaze scene
- operation temperature range min. -10°C to +50°C
- ability to resist dynamic load during movement in a vehicle
- minimum number 2 pcs
- the lowest weight not disturbing a tested person
- sufficiently resistant construction resistant to wear out
- designed for particular use while driving in traffic
- evaluation particularly from a video, also possible from static images
- video-recording resolution min. 640x480 pixels
- time of recording in traffic using a built-in batter for at least 60 minutes
- time axis for an easy movement within the video-recording

Requirements to SOFTWARE:

- easy to use
- evaluation with the use of software independently of the system provider
- ability to process and evaluate the statistics of tested person’s gaze monitoring
- exporting of results in tables (e.g. to Excel), list of values, graphs, and statistics, including export of the video-recording
- working under Windows: WinXP/Win7/Win8
- number of licenses 2 pcs
- free of charge update and upgrade for minimum of 3 years from contract conclusion
- software must be able to evaluate and export at least the following requirements:
 - **Time bubbles (time circles)** – used for the evaluation and visualization of the frequency and length of tested person’s gaze to his/her interest point and view. Displayed on a video, e.g. with the use of circles (bubbles), the larger circle, the longer time moment which tested person spent looking at a single spot.
 - **Perception performance** – Visualization of tested person’s ability to perceive image information. The perception is displayed with the use of colours, shapes, or contrast in the video.
 - **Perception circles** – Visualisation with the use of circles outlining a spot the tested person looks at, at the same time a line (path) should be marked representing visual memory of approx 1 second (short-term memory). Furthermore, it should be possible to display two concentric circles: one for more focused gaze of tested person (foveal) and the other less focused (parafoveal), so that it could be possible to identify what a person can see and is able to perceive.
 - **Priority area** – Display of concentration and division of the examined scene out of all eye fixations of the tested person into certain spots of the visible scenes, so that it would be possible to identify what is the most attractive for the eye of the tested person in a given scene, so-called interest intensity, heatmap (area of interest).
 - **Perceived image** – only shows the part of image which was perceived.
 - **Gaze path** – constant (within the pre-determined time) display of eye gaze trajectory path on the examined scene. This trajectory needs to be marked in the recorded video.
 - **Winking analysis** – Duration of individual winks, number of winks in time
 - **Revelation of information defects** – Determine where, when and for how long the perception of tested person, looking at scene, was interrupted.
 - **Summary of findings** – Final summary of the analysis of the tested person’s perception in the form of tables, lists, graphs, and statistical evaluation.

General requirements:

- complete functional system without the need to be further developed which would cause the time delay of delivery
- operating personnel training for 5 persons included in the price of delivery



ASL Results Plus

Comprehensive Eye Tracking Analysis Software

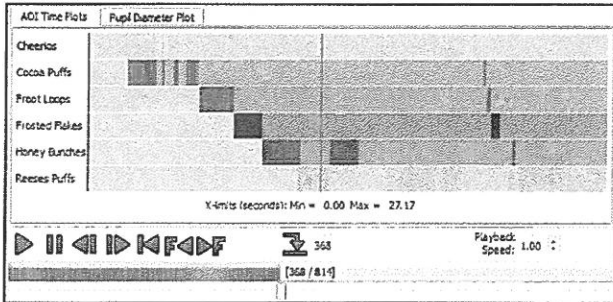
Advantages of ASL Results Plus

Over the years ASL's eye tracking solutions have stood out from the competition due to their usability. Now with ASL Results Plus the research process has become even more streamlined, making it the ideal software solution to collect the data needed to attain robust meaningful research results.

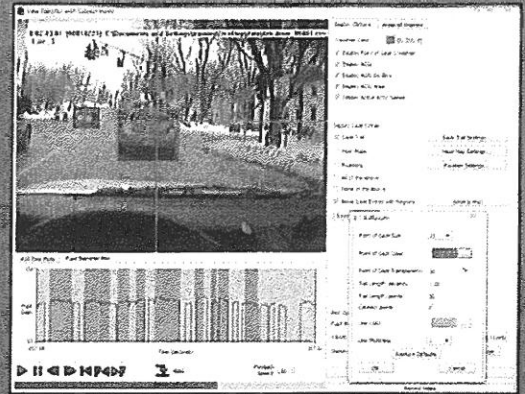
ASL's customer service team is standing by to assist you with training and ways to apply ASL Results Plus for your specific study.

Fixation	Duration	Fixation	Duration	Fixation	Duration	Fixation	Duration	Fixation	Duration	Fixation	Duration
1	152.020	0.105	0.000	152.125	0.000	0.000	0.000	242.823	185.0	126.820	4437
2	152.165	0.170	0.000	152.265	0.170	0.000	122.42	252.212	219.4	126.237	4623
3	152.320	0.275	0.000	152.790	0.160	0.000	10.760	253.827	197.4	127.228	4512
4	152.362	0.375	0.000	151.320	0.170	0.173	1.367	243.825	137.1	126.277	4526
5	151.280	0.300	0.000	151.860	0.030	0.000	3.841	241.598	201.4	126.994	4029
6	151.830	0.200	0.000	152.020	0.170	0.150	4.009	241.620	156.4	126.877	4522
7	152.090	0.240	0.000	152.430	0.084	0.000	4.190	233.523	135.3	129.884	4550
8	152.542	0.430	0.000	152.550	0.030	0.000	1.975	270.268	152.0	126.868	4874
9	153.290	0.170	0.000	153.260	0.100	0.061	23.739	42.418	141.0	84.825	4540
10	153.430	0.160	0.000	153.550	0.195	0.110	22.248	295.450	120.9	0.000	4020
11	153.630	0.230	0.000	153.540	0.040	0.000	2.070	266.188	201.4	127.287	4026
12	154.000	0.160	0.000	154.100	0.040	0.000	0.919	204.830	210.3	127.400	4617
13	154.150	0.280	0.000	154.420	0.000	0.000	0.501	341.771	210.3	126.934	4621
14	154.485	0.245	0.000	154.700	0.030	0.000	4.891	230.054	212.7	129.485	4631
15	154.780	0.240	0.000	155.020	0.060	0.000	6.751	381.724	222.8	128.840	4642
16	155.160	0.270	0.000	156.430	0.140	0.150	7.176	291.548	207.4	132.720	4622
17	155.460	0.240	0.000	155.700	0.030	0.000	7.231	214.334	204.7	130.349	4621
18	155.860	0.170	0.000	156.030	0.140	0.047	8.149	307.939	202.6	132.313	4279
19	156.200	0.220	0.000	156.430	0.170	0.150	2.584	237.948	227.1	132.320	4621

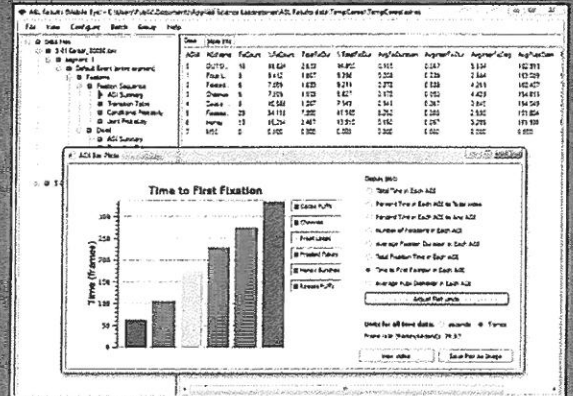
Tables generated, such as the Fixation Table pictured above, can be exported into Excel in order to organize and manipulate data collected.



AOI Time and Pupil Diameter Plots are displayed in a way that is incredibly easy to read and understand.



ASL Results Plus streamlines the data collected during a study period and allows you to adjust settings and colors to your preference, as pictured above.



- Bar Plots Include
- Total amount of time in each AOI
 - Percent of time in each AOI
 - Number of fixations in each AOI
 - Average fixation duration
 - Total fixation time
 - Time to first fixation
 - Average pupil diameter in each AOI



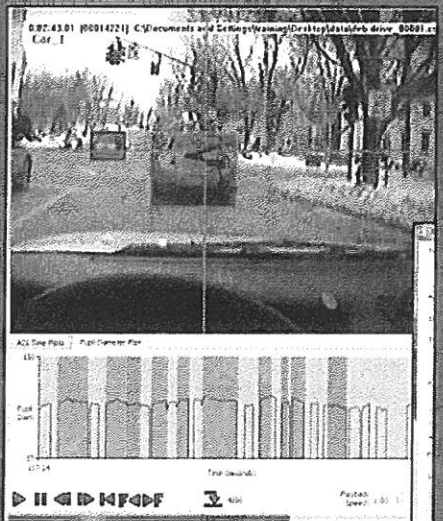
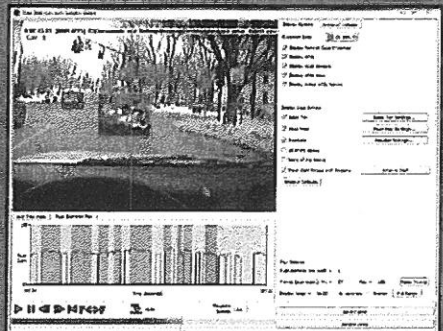
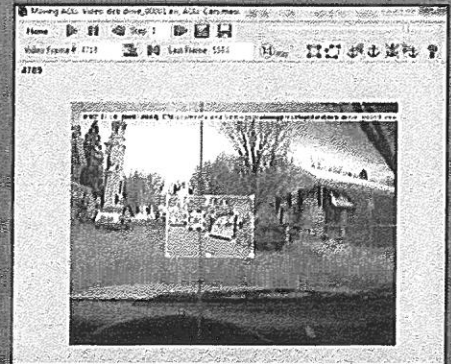
ASL Results Plus

Comprehensive Eye Tracking Analysis Software

Developed and designed by Applied Science Laboratories, ASL Results Plus is an integrative software solution created to streamline your eye tracking results. Measuring consumer response, human behavior and physiology is now easier than ever.

ASL Results Plus Allows the User to:

- Effortlessly set up all elements of the study using ASL's compatible hardware and software.
- Define multiple moving AOIs simply and efficiently.
- Group and move AOIs around in a cluster.
- Move AOIs effortlessly within a subjects video capture.
- View AOIs with dynamic heat maps, gaze trails and fixation plots.
- Operate ASL Results with little training due to its intuitive interface making it easy for virtually anyone to operate the software.
- Utilize software in a variety of research studies from market research studies to clinical studies due to it's universal design.
- Change data queries instantly.
- Save data results allowing user to complete an unrelated task and return to where they left off.
- Gather data and statistics instantly generating graphs and tables based on the data collected.
- Easily edit, move and resize AOIs.
- Export gaze data, fixations, fixation sequences, dwells and pupil diameter analysis into a Excel or Text file.



Statistics Video Allows User to View:

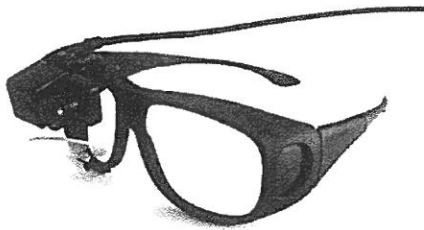
- Gaze Crosshair
- Gaze Trail
- Heat Maps
- Fixations
- Moving AOIs
- AOI Time Plots
- Pupil Diameter Plot

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Mobile Eye-XG glasses

ASL enables researchers to avoid this bias by not restricting eye tracking to participants who do not wear corrective eyewear. The Vision Council of America states approximately 75% of adults use some sort of vision correction. About 64% of them wear eyeglasses and about 11% wear contact lenses. ASL offers over-the-glasses frames for participants requiring corrective eyewear. ASL also has a version of frames for children aged four years and older.



Hygiene Issues

Our researchers appreciate the fact that it is easy to clean our glasses between participants. During cleaning, the camera is not exposed to damage (e.g. scratching) because it is located out of the way on the upper part of the frame.

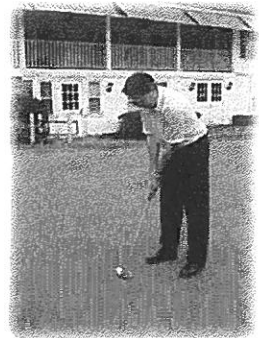
If damage does occur to the glasses, unlike with other eye tracking solutions, the ASL design enables researchers to easily replace individual components (e.g. a monocle can be replaced in a matter of minutes). Why lose valuable research time to repairs?

Minimal Maintenance and Repair Costs

Our glasses are ANSI rated glasses. They are readily available, lightweight, comfortable, and durable. They also fit securely on the head while still being comfortable, which is important for data accuracy. The Mobile Eye-XG is designed for dynamic activities, whether it is in a kinesiology lab studying the gait of elderly participants, world class soccer



players learning more about visual attention during penalty kicks, or a busy housewife speed-shopping to get home to the kids. Accidents happen, players get tackled, items can be dropped. If something happens to the glasses or the monocle, they are quickly replaced without major expense. Other products require the entire eye tracking system to be returned for repair.



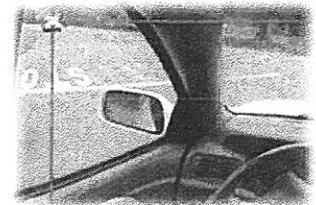
Appearance

Other eye tracking companies may claim that their glasses look more like prescription glasses than ASL glasses. However, their eyeglass frames are significantly larger than the frames of prescription glasses and thus, still attract attention. Their glasses' extra wide footprint is also less balanced on the participant's head, less comfortable, and much more likely to move during active tasks than the ASL glasses. ASL glasses are comfortable, adjustable, and easy to use.



ASL Benefits

Ultimately, when the study is complete, it is the accuracy of the eye tracking data that is most important. With our leadership in mobile eye technology, ASL will track more participants, provide more accurate results, and offer you a solution that is durable as well as unobtrusive for your eye tracking research.



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ASL

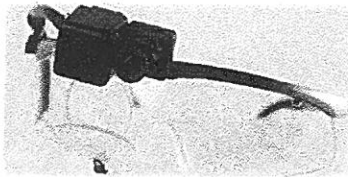
ASL Mobile Eye-XG

*Flexible, Wireless Eye Tracking Solution
for Multiple Applications*

**60 Hz
Available!**

Proven Design

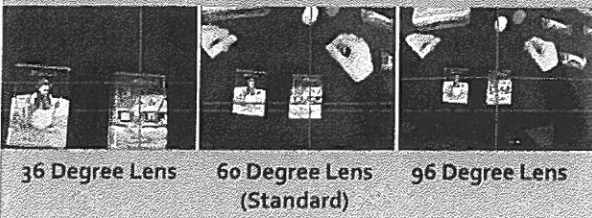
As the leader in mobile eye tracking technology, ASL has been providing easy to use and highly effective mobile solutions for over a decade. The ASL Mobile Eye has successfully tracked over 12,000 participants. As we developed the neXt Generation Mobile Eye-XG, significant amounts of time in research and resources were dedicated to the design of this system. When talking with our current Mobile Eye users, they explained why they did not want us to change our glasses to a more "rigid" fixed frame.



Flexibility

An eye tracker is an investment in both current and future research. When researchers do not know exactly what eye tracking equipment will be required for their future projects, our eyeglasses design allows researchers a great deal of flexibility. For instance, researchers can swap the scene camera lens for either a wider or narrower field of view lens.

Various Scene Camera Lenses are Available

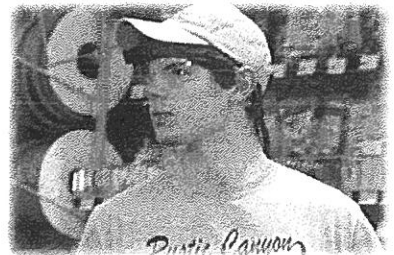


The eye camera position can also be adjusted to support many different tasks and maximize the trackable range. Not all tasks are at eye level and, because eye rotation is limited by human biology, this ability to align the camera for each task gives researchers the flexibility to pursue many activities which would be impossible to track with fixed camera placement.



Unobstructed View

Our design does not block the peripheral view of participants in order to ensure their behavior is natural. As participants approach an area or project, nothing blocks their vision. Isn't the whole reason for using a mobile solution to be able to track under realistic conditions?



Prevent Selection Bias

The term "selection bias" most often refers to the distortion of a statistical analysis resulting from a biased method of collecting samples. If selection bias is not taken into account, certain drawn conclusions may be incorrect. To avoid selection bias, researchers want their studies to be conducted with a representative cross section of participants.

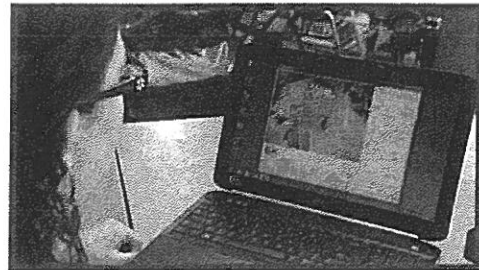


ASL Mobile Eye-XG

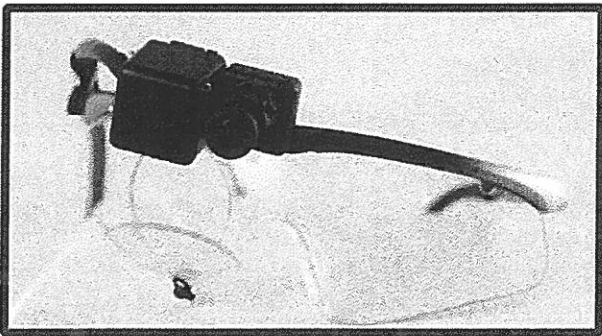
NeXT Generation Mobile Eye

Real Time Wireless
Data Transmission !!
60 Hz Available

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	64 g



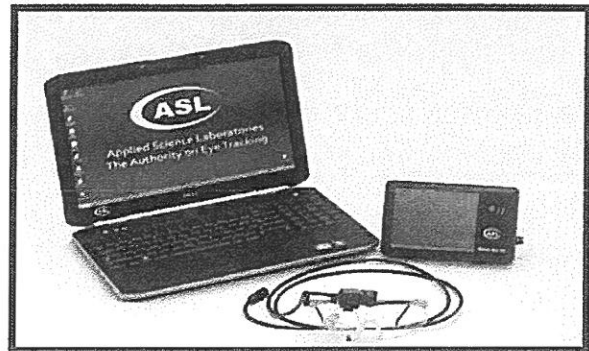
Observe your participants in real time!



Auto-calibration! Lightweight! Comfortable!

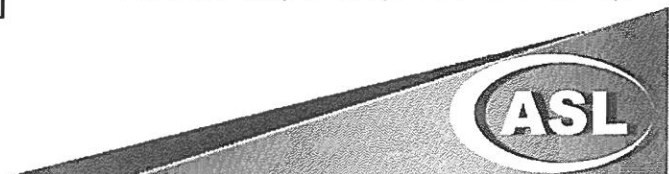
MOBILE EYE-XG SYSTEM	
Eye Tracking Technique	Dark Pupil
Eye Tracking	Monocular, Right Eye
Speed	30 Hz/60 Hz
Accuracy	0.5 degrees
Microphone	Yes
Firmware	Embedded
Calibration	Automatic
Calibration Validation	Yes
Post Calibration	Yes
Outdoor Enhancements	Yes
Automatic Data Mapping	Yes
Parallax Compensation Tool	Yes
Synchronization w/ external source	Yes

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	67.8 g 2.37 lbs
Connection	802.11n or Gigabit Ethernet



Portable! Easy to Carry! Minutes to Set Up!

Applied Science Laboratories
175 Middlesex Turnpike, Bedford, MA 01730 - USA
☎ (781) 275-4000 🌐 www.asleyetracking.com
✉ asl@asleyetracking.com



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3a, 636 00 Brno
cdv@edv.cz
IČ: 44 99 45 7E
DIČ: CZ499457E

60 Hz Available!

ASL Mobile Eye-XG

Wireless, Portable Eye Tracking Solution
for Driving Applications

Robust Eye Tracking Solution

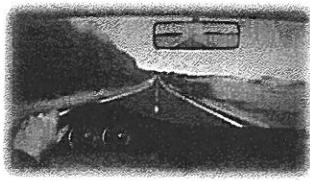
ASL, the Authority on eye tracking, continues to offer unique eye tracking solutions that impact the way eye tracking studies are being performed.



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 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.

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 wire-

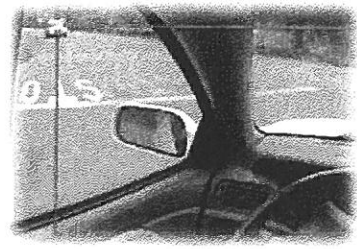
lessly, on the SDHC card, or both. These images are then integrated into a single video recording representing the scene with a superimposed gaze cursor.

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 degrees 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:

- **Vehicle/Driving Safety and Research**
- **Drivers Performance**
- **Usability Research**
- **Vehicle Distraction**
- **Dashboard Design**
- **Vehicle Design**
- **Driving Safety**
- **Road Signage**

