

AURORA

30/60/120/250



IF YOU WANT REALITY

SMART EYE IS A SWEDISH COMPANY COMMITTED TO PROVIDING THE MOST ADVANCED NON-INTRUSIVE EYE TRACKING EQUIPMENT, PRODUCING MEASUREMENTS WHERE NOBODY ELSE CAN. WE ARE EQUALLY COMMITTED TO MEASURING WITH THE GREATEST ACCURACY OVER THE BIGGEST VISUAL FIELD.

Excellent performance, remarkably small size and compelling 0.3 gaze accuracy!

Founded in 1999 and with its roots in the Automotive Industry, Smart Eye is now regarded as a global leader in the development and delivery of remote, multi-camera head and eye tracking solutions for the Automotive, Aviation and Aerospace research and manufacturing industries.

Our philosophy and focus is innovation in non-intrusive, combined head and eye tracking solutions. We are proud of our position in the market as the golden standard for remote eye tracking, enabling complete freedom of movement within any given application environment while retaining impressive levels of gaze accuracy, field of view and robustness (0.5 degrees standard).

Today we have over 200 clients and over 350 systems deployed across USA, Canada, Europe and the Asia Pacific Region. Our systems are being used to support research projects and studies in

areas including (but not limited to) HCI, Human Factors, Neuroscience, Psychology, clinical and more.

As a testament to our pedigree, we work with some of the most prestigious Organisations, Universities and Institutes in the world on some of the most high profile projects in their respective industries.

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With the remarkable IMX174 chip by Sony we were able to utilize the best and latest technology to introduce the most high-end versatile eye tracker on the market with high frame rate and outstanding accuracy.

Available frame rates: 30 Hz, 60 Hz or 120 Hz (+250 Hz)

Easy set up, configurable for different screen sizes

Compelling gaze accuracy

ACCURATE

- Gaze Tracking Accuracy: 0.3 degrees (typ.)
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EASY TO USE

- Easy to use GUI
 - Quick and simple set up
 - Configurable for different screen sizes
 - Fast and intuitive gaze calibration routine
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DESIGN

- Small and versatile Eye Tracking System
 - Insensitive to ambient light
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OUTPUT

- Data available in real time over UDP/TCP and as log file.
 - Output data such as eye position, gaze intersections, pupil diameter, saccades, fixations, blinks, eyelid opening and many more.
 - Easy logging
 - Binocular eye tracking
 - Raw and filtered data
 - Integrated with EyesDX, Eyetellect Gaze Tracker and Ogama (Opengazeandmouse Analyzer).
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A U R O R A

30/60/120/250



With the remarkable IMX174 chip by Sony.



Scale 1:1



TECHNICAL SPECIFICATIONS

Sampling rate	30 Hz, 60 Hz or 120 Hz (+250 Hz)
Head Box (freedom of head movement)	50x40 cm at 50-80 cm distance
Tracking Accuracy	Head: Rotation 0.3 degrees (under ideal conditions) Gaze: 0.3 degrees (under ideal conditions)
Output	TCP/UDP/Text log
Delivery Data	Eye position, gaze intersections, pupil diameter, saccades, fixations, blinks, eyelid opening and many more.
Recovery Time (Tracking Loss)	Typ. $\frac{1}{\text{frame rate}}$
Optimal Camera - Eye Distance	50-80 cm
Eyewear compability	Glasses, contact lenses, and sunglasses of non IR-blocking-type.
Calibration Mode/Time	Four calibration points / 10-15 sec.
Eye Tracking Principle	Pupil and Iris/ Corneal Reflection and Head Model
Size	146 x 24 x 27 mm

SMART EYE[®]

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