



AdHawk MindLink™ Specifications

Preliminary Spec Sheet

SUMMARY

Typical Eye Tracking Performance

Eye tracking performance varies between users

Calibrated Range (width x height):	40 x 25 degrees
Gaze Mean Absolute Error:	<1.0 degrees (see table below)
Gaze Data Rate:	up to 500 outputs per second
Calibration Points:	user configurable from 1-9
Latency:	3 ms
Scene Camera:	1080p, 30fps, FOV 82 degrees diagonal

Eye Tracking Features

- Binocular Gaze Tracking & Output
- Vergence Output
- Pupil Size Output
- Robust Tracking Under Sunlight
- Single Click Eye Tracking
- Slip Tolerant Eye Tracking
- Export Eye Tracking Video
- Export Eye Tracking Data
- Gaze Validation Function

Glasses Physical Properties

Dimensions:	14.6 x 16.6 x 4.2 cm
Weight:	27 grams
Inertial Measurement Unit:	6 axis

Additional Features

Interchangeable Prescription Lens Set Available for Purchase

Included in Kit

- Eye Tracking Glasses
- Interchangeable Nose Pieces
- Attachable Ear Hooks
- Smartphone
- USB cable to PC
- USB cable to Smartphone
- Anti-Fog Cleaning Cloth
- Glasses Calibration Fixture
- Durable Carrying Case

TECH SPEC SHEET

*Preliminary specifications subject to change

Group	Specification	Min.	Typ.	Max.	Unit
Eye Tracking	Data Rate	30	125	500	Points per second
	Range (width x height)		40x25		Degrees
	Calibration	1	5	9	Calibration targets
	Mean Absolute Error (Gaze)	0.5	1	3	Degrees
	Single-eye and Binocular Gaze		Included		
	Ambient Light Rejection		Included		
	Latency		3		ms
Camera	Field Of View		82		Degrees
	Aspect Ratio		16:9		
	Focal Range	40		Infinity	cm
	Resolution		1280x720		pixels
	Data Rate		30		Points per second
Glasses Hardware	Outer Dimensions:		14.6x16.6x4.2		WxLxH cm
	Weight		27		
	Length of Cable to Smartphone		1		g
	Length of Cable to Computer		3		m
	Inertial Measurement Unit		6		m
	Nosepieces Included		3		axis
Smartphone	Battery Size		4000		mAh
	Battery Time: Record EyeTracking and Front Facing Camera		4		hours
	Battery Time: Record EyeTracking Only		8		hours
	Outer Dimensions:		7.6x0.8x15.9		WxLxH cm
	Weight		192		g

Software Features

Single Click Eye Tracking	Included
Slip Tolerant Eye Tracking	Included
Export Eye Tracking Video	Included
Export Eye Tracking Data	Included
Binocular Gaze Output	Included
Gaze Validation Function	Included
Vergence Output	Included
Pupil Size Output	Included



EYE TRACKING ACCURACY

Calibration Points	Mean Absolute Error ¹
9	<1
5	1
3	2
1	3

[1] Over typical calibrated range of 40x25 degrees (width x height).

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