



# AdHawk MindLink™ Specifications

Preliminary Data Sheet

## SUMMARY

### Typical Eye Tracking Performance

Eye tracking performance varies between users

<b>Calibrated Range:</b>	40 × 25 degrees* (width x height)
<b>Gaze Mean Absolute Error:</b>	<1.0 degrees (see table below)
<b>Gaze Data Rate:</b>	up to 500 outputs per second
<b>Calibration Points:</b>	user configurable from 1-9
<b>Latency:</b>	3 ms
<b>Scene Camera:</b>	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

<b>Dimensions:</b>	14.6 × 16.6 × 4.2 cm
<b>Weight:</b>	27 grams
<b>Inertial Measurement Unit:</b>	6 axis

### Additional Features

Interchangeable Prescription Lens Set Available for Purchase

### Included in Kit

- Eye Tracking Glasses
- Interchangeable Nosepieces
- 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	outputs per second
	Range (width x height)		40x25		degrees
	Calibration	1	5	9	calibration targets
	Mean Absolute Error (Gaze)	0.5	1	3	degrees
	Per-eye and Cyclopean 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	1920x1080	pixels
	Data Rate		30		frames per second
	Glasses Hardware	Outer Dimensions		14.6x16.6x4.2	
Weight			27		g
Length of Cable to Smartphone			1		m
Length of Cable to Computer			3		m
Inertial Measurement Unit			6		axis
Nosepieces Included			3		pieces
Smartphone	Battery Size		4000		mAh
	Battery Time: Record Eye Tracking and Front Facing Camera		4		hours
	Battery Time: Record Eye Tracking Only		8		hours
	Outer Dimensions		7.6x0.8x15.9		wxlxh cm
	Weight		192		g

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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

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## EYE TRACKING ACCURACY

Calibration Points	Mean Absolute Error <sup>1</sup>
9	<1
5	1
3	2
1	3

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