



Inspiring People and Enabling Discovery About Life

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## Eye Tracking Bar System Comparison

Item	Tobii Pro Spark System	Tobii Pro Fusion System	Tobii Pro Spectrum System
<b>Frame Rate</b>	60 Hz	60 Hz, 120 Hz, or 250 Hz	300 Hz, 600 Hz, or 1200 Hz
<b>Precision</b>	0.26° RMS (ideal conditions) (applying Savitzky-Golay filtering, settings listed in the test report)	0.04° RMS at optimal conditions (applying Savitzky-Golay filtering, settings listed in the test report) 0.2° RMS at optimal conditions (raw signal)	0.01° RMS at optimal conditions (applying Savitzky-Golay filtering, settings listed in the test report) 0.06° RMS at optimal conditions (raw signal)
<b>Accuracy</b>	0.45° (ideal conditions)	0.3°	0.3°
<b>Head movement tolerance</b>	Good (Single Camera)	Excellent (Dual camera)	Excellent (Dual camera)
<b>Optimal screen size</b>	Up to 27" (16:9 aspect ratio)	Up to 24" (16:9 aspect ratio)	Up to 24" (16:9 aspect ratio)
<b>Freedom of head movement @ 65cm distance (either eye)</b>	35 x 35 cm (width x height)	40 x 25 cm (width x height)	34 x 26 cm (width x height)
<b>Freedom of head movement @ back of headbox (either eye)</b>	35 x 35 cm (width x height)	45 x 30 cm @80 (width x height)	42 x 26 cm @75 (width x height)
<b>Operating distance</b>	45 to 95 cm (in Z direction)	50-80 cm (in Z direction)	55-75 cm (in Z direction)
<b>Tracker setup options</b>	Tracker mounted at tripod, allows for even larger screens and physical objects to be tracked.	Tracker mounted at tripod, allows for even larger screens and physical objects to be tracked.	(a) Screen and eye tracker mounted together (b) Standalone eye tracker (c) Tracker and screen mounted on any standard VESA mount (d) Eye tracker used with external monitor
<b>AcqKnowledge Licenses</b>	Stimulus Presentation Eye Tracking Integration	Stimulus Presentation Eye Tracking Integration	Stimulus Presentation Eye Tracking Integration