



# GazeSense™ 3D Eye Tracking

Official Independent Software for



Rue Marconi 19, 1920 Martigny, Switzerland  
[contact@eyeware.tech](mailto:contact@eyeware.tech)





## Product Features



Simple Calibration



Non-intrusive Cameras



Low Cost



Remote Head & Eye  
Tracking



360° Tracking



No Headgear



Low-light Compatible



Works with  
Prescription Glasses



Real-time

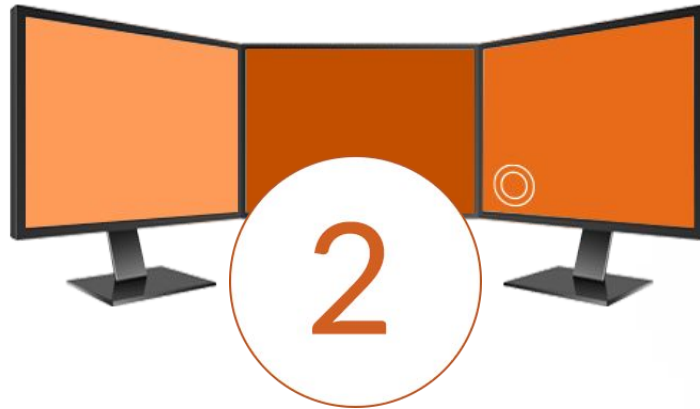


## Technical Specifications

Minimum PC Requirements	6th Generation Intel® Core™ USB 3.0 2GB RAM Windows 10 / Linux Ubuntu 16.04/18.04 LTS 1 GB of free hard drive space
Sensor Recommendation	<u>Intel RealSense D415</u>
Frame Rate	10-30 Hz
Accuracy	5-10° (in ideal conditions) for an uncalibrated user. 2-5° (in ideal conditions) if calibration is allowed on a frontal screen and depending on the setup.
Field of View	Up to 360° horizontally for multiple camera setups. Head signal is reliable for up to 150° horizontal head rotation per camera (+-75° from a camera facing position). Gaze signal is reliable for up to 60° horizontal head rotation per camera (+-30° from a camera facing position).
Output	Head position (6 DoF), attention towards surfaces, point of regard and more. See <a href="#">documentation on our website</a> .
Eyewear Compatibility	Capable of tracking with corrective lenses. The D415 doesn't support eye tracking with sunglasses.
User Calibration	Automatic
Eye Tracking Principle	Machine learning aided head pose and eye-gaze modeling leveraging 3D sensors



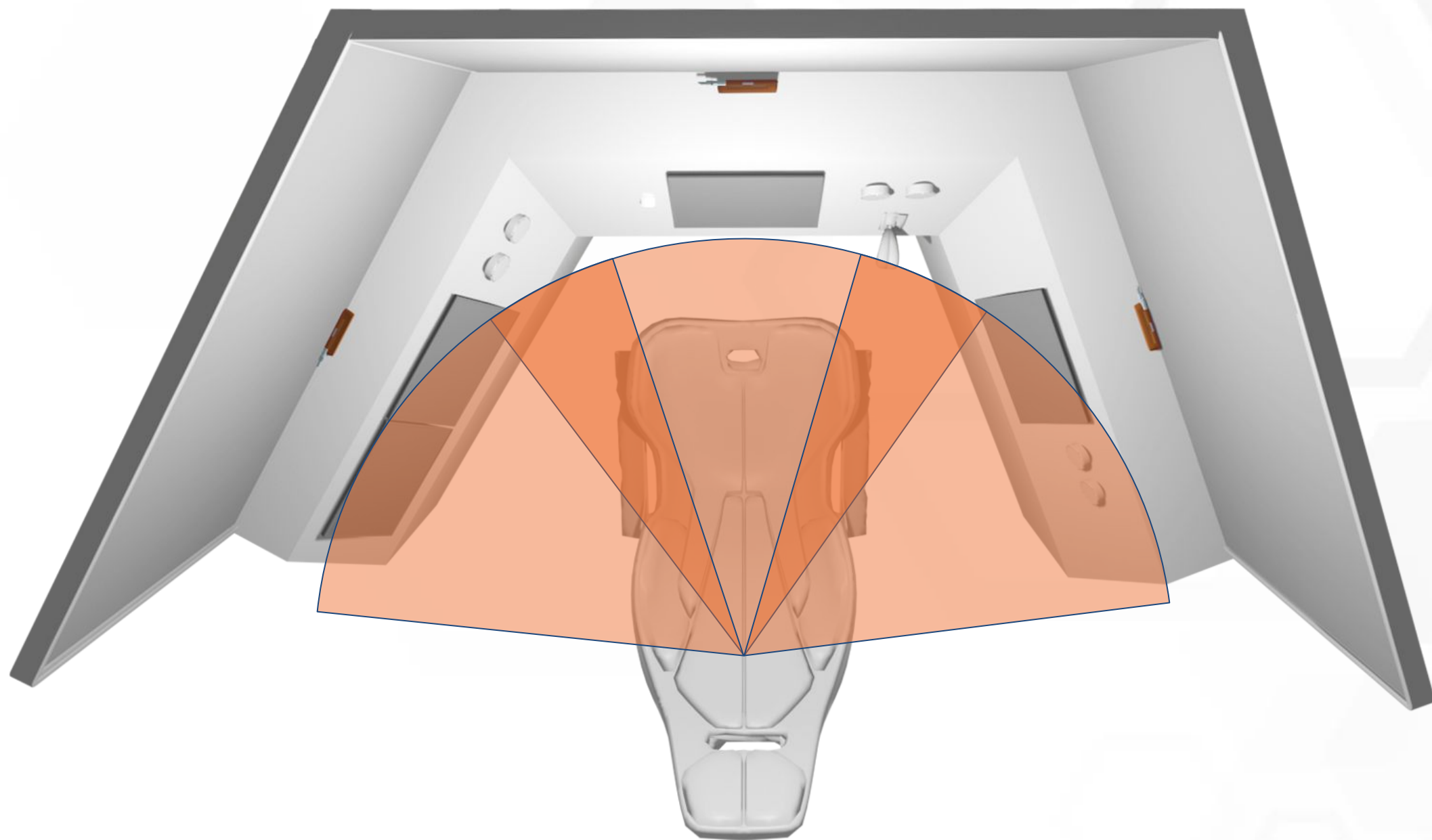
Position the 3D  
cameras



Integrate our SDK with your  
system and designate  
objects in 3D space



Start streaming live  
attention data



Our system uses Intel Realsense D415 depth-sensing cameras.

The example above shows a setup with three cameras allowing for  
~180° horizontal head and gaze tracking.

## Hardware Recommendation



GazeSense™ head pose and eye tracking software works with a multitude of commercial depth-sensors and is agnostic to the technology used. For the setup presented on the previous page we recommend the Intel RealSense D415. Depending on your setup, we might suggest alternatives that suit your requirements better. Please get in touch with our sales team for more information.



The Intel NUC is compatible with GazeSense™ if a separate processing unit is preferred. Up to three cameras can be attached to one NUC.



**Official Independent Software Vendor**



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