

Request for Information (RFI)

A medtech startup is looking for an OEM provider of binocular eye tracking systems than can be integrated into a medical device. We have the following requirements.

Required components

- Eye tracking cameras for each eye
- Illumination of the eyes
- Eye tracking algorithms that provide gaze direction and pupil size

Technical

- Frequency of eye tracking cameras: >200Hz (the higher the better)
- Precision of gaze position: $\leq 0.1^\circ$
- Accuracy of gaze position: $\leq 1^\circ$
- Precision of pupil size: ≤ 0.01 mm
- Accuracy of pupil size: ≤ 0.05 mm
- Latency: <40ms
- Highly robust eye tracking algorithm (reliable measurement of heavily made-up eyes, eyes with artificial lenses, etc.)

Dimension / Form Factor:

- The eye tracking system has to fit in a device with max. size of 70cm x 70cm x 70cm (the smaller the better).
- The eye tracking system has to be capable of being integrated in an optical system with screens and lenses.

Expected Purchase Volume

We expect to purchase the following volumes in the coming years:

- Phase 1: POC (2021): 1 pcs
- Phase 1: Product development (2022): ~10 pcs
- Phase 2: Commercialization:
 - 2023: ~100 pcs
 - 2024: 300 pcs
 - 2025: 500 pcs
 - 2026: 700 pcs
 - 2027: >1'000 pcs

Requested Information

Please provide the following information to us not later than 15th October 2021.

Question	Answer
<i>Information on your eye tracking systems and your services</i>	
Do you provide OEM eye trackers?	
What are the technical specifications of your eye tracking systems?	
What is the form factor of your eye tracking system? What is the size?	

Do you provide technical integration support for the integration of your eye tracking system?	
Do you provide engineering services for the development of eye tracker systems?	
Do you provide the possibility to adapt your eye tracking system (hard- and software) to the needs of your customers?	
Please provide a non-binding indication of the price per eye tracker for a purchase volume of 100 pcs (please indicated if there are any license or other recurring fees)	
<i>Information on your company and technology</i>	
In what country are you based?	
Approx. number of employees?	
In what industries are your eye tracking systems used?	
Are your eye tracking systems already used for medical purposes? If yes, for what application?	
Do you have a quality management system in place? If yes, is it ISO certified?	
<i>Intellectual property</i>	
Do you own patents for your eye tracking technology? If yes, what is the approx. size of your patent portfolio?	
For the eye tracking system, do you license IP from third parties?	

Next Steps

We will review all submissions we receive until 15th of October 2021 and get back to you until the end of November 21.