

## The VPS 19 from Viewpointssystem

### Smart glasses for remote support, training, documentation and analysis

The VPS 19 smart glasses with integrated eye tracking stand out with their light weight, a high level of wearing comfort and immediate readiness for use. The smart glasses are “made in Europe” and are not only developed but also completely manufactured in Vienna.

With the VPS 19, Viewpointssystem has succeeded in creating a pair of smart glasses with an appealing design and only 43 grams of weight on the nose. They are ready for immediate use and very easy to operate. The VPS 19, which won the CES Innovation Honoree Award among others, have been in series production since summer 2020. They are being used by customers from manufacturing, mobility and transport, security and research for a wide range of applications:

- **Remote support:** The VPS 19 make expert knowledge available anytime and anywhere, without the need for time- and cost-consuming travel. The person on site, for example the frontline worker in manufacturing, and the remote expert are connected via video and audio stream. Thanks to eye tracking, the remote expert sees exactly where the frontline worker is looking, what he perceives and what he does not perceive.



During streaming, the expert can send the frontline worker information, screenshots with annotations or drawings on the smart unit belonging to the system. In this way, he provides quick and precise assistance without complicated descriptions and explanations. The frontline worker has both hands free for work and can quickly implement the instructions. Eye tracking improves communication, makes it faster and more intuitive, and also overcomes language barriers.

- **Documentation and training:** All processes can be recorded with the VPS 19 for documentation purposes, for example during quality controls, maintenance processes or factory acceptance tests. Companies can also record the streams for training purposes and thus produce vivid training videos with real situations instead of simulations.

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- **Analysis:** The eye tracking data obtained with the VPS 19 provides information about where the wearer is looking in a particular situation. But that is by no means all: They also decode what the wearer perceives and what he does not, and in which cognitive and emotional state he is. In marketing, for example, this data provides valuable insights for optimizing advertising materials or improving the customer journey in a store. In the area of safety, eye-tracking-analysis can be used to train procedures in an emergency.

With the VPS 19 in combination with the intelligent evaluation software from iMotions, it is possible to automatically analyze the acquired eye tracking data of many subjects and to visualize it in a meaningful way (heat maps, areas of interest, fixations).

The VPS 19 is optimized for practical use in real work situations. The glasses, which comply with the EN 166 safety conditions for eye protection, can be worn comfortably under any helmet and, thanks to their flat temples, also under headphones. The fit is steady even in motion and the glasses work reliably in almost all lighting conditions. The system is easy to operate and ready for immediate use. The battery can be changed on the fly without interrupting the product use. Apart from Wifi, no additional infrastructure is required.

## The product features of the VPS 19 at a glance:

- System consisting of lightweight eye tracking glasses and smart unit for calculations and transmissions (the latter can be worn on the belt, for example)
- Enables hands-free work
- Appealing design
- Interpretation-free communication through eye tracking
- Easy to operate, ready for immediate use
- No other infrastructure needed except WIFI
- Battery can be changed without interrupting the stream (hot swap)
- Software updates are performed OTA (over the air) remotely
- 4G+ integrated for autonomous connectivity
- Flexible use (remote support, remote maintenance, quality control, documentation, training, research & analysis)
- Eye protection according to EN 166
- For spectacle wearers also available with prescription lenses
- Contact lenses can be worn with the glasses
- Awarded, among others, the CES Innovation Honoree Award 2019 and the Innovation World Cup 2019 in the category "Industrial".



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## **We are Viewpointssystem**

Viewpointssystem combines pioneering technology development with scientific expertise in vision research. The Vienna-based deep-tech company develops and produces internationally awarded smart glasses based on eye tracking, and sensor technology for eye tracking and eye data. The smart glasses are used by B2B customers worldwide for remote support and maintenance, for training and documentation, as well as for research and analysis, among other things. As the inventor of Eye Hyper-Tracking and pioneer of Digital Iris technology, Viewpointssystem's goal is to deepen the interaction between people and the digital world and to make Mixed Reality more intuitive.

**[Viewpointssystem.com](https://viewpointssystem.com)**

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