eyesynth

Vision Through Hearing

Smartglasses for the Blind

The Technology Behind Eyesynth

AUGMENTED SENSE EXPERIENCE

It is not Virtual Reality. It is not Augmented Reality. Our technology enhances the hearing experience with spatial information. Our Smartglasses take the environment in 3D and transform it into audio. The system produces a subtle sound, giving the ability to distinguish shapes, spaces and obstacles with unprecented accuracy. 280M people have sight problems, from low vision to total blindness. Since the use of the guide dog and white cane, there is not a technological tool, a new standard for mobility.

So here is our concept, the Augmented Sense Experience, and our technology, Eyesynth. We offer the next step ahead.

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1. 3D ENVIRONMENT

The surrounding space is recorded and processed in real time. Ground and aerial obstacles are detected within miliseconds. Accuracy and time of reaction are fundamental for safe everyday activity.

2. EASY TO USE

The 3D images are processed by a small CPU, and converted into sound. The system is extremely easy to learn and use. Users can easily customize the functionality to their needs.

3. LIGHTWEIGHT AND STYLISH

Form and function. The electronic components are miniaturised to fit in a stylish and cool (both temperature and look) glasses frame. Opaque, mirrored or prescription lenses can be used.

3. BONE CONDUCTION

The sounds produced by Eyesynth are transmitted through the skull bone directly to the cochlear nerve. It's hygienic, leaves ears unblocked, and eliminates hearing stress. Ears are free to listen to every sound without interferences.

"it's amazing when you grab an object at first attempt"
Pablo Cantero. Athlete. Psychologist. Eyesynth Tester.

The Eyesynth Smartglasses System is based on an intensive testing development process. It's built on User experiences, our main source of inspiration. Each function, each design detail is meticulously craftedin tandem with our Testers. The simplicity and smoothness of usage are made of complex technology and fine materials.

"This non-invasive technology is the smartest solution for blindness and low vision I've seen to date" - **Dr. Paco Ramos**, Lead Ophtalmologist at Hospital General (Castellón - Spain)

"With this bare thing alone, I dare to hit the streets!" - **Miguel Benages**, Director of "La ONCE" - National Blind Organization in Castellón (Spain).

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