





Technology

eSight 3

Enhancing sight, improving lives.



Experiencing low vision impacts every aspect of a person's life.

Simple things that sighted individuals may take for granted like navigating an unfamiliar street or recognizing a loved one's face can be immensely challenging for those experiencing low vision. Of the 285 million people worldwide considered blind, 90% are legally blind with low vision caused by macular degeneration, glaucoma, and other eye conditions. Rather than experiencing "complete blindness," the vast majority of people experiencing low vision exist on a spectrum of sight that varies based on individual condition.

In 2011, eSight launched the first pair of electronic glasses that allow the legally blind to actually see – the first and only patented assistive device of its kind anywhere in the world. Wearing, hands-free and non-surgical, eSight's electronic glasses can help those with low vision improve their sight and regain independence. While in many R&D areas companies are creating headsets for entertainment and the next killer app, eSight delivers a life-changing solution to its audience.

Introducing eSight 3

eSight partnered with Autodesk to redesign its headset from the ground up to create a lighter, more intuitive and wearable device. The result of our collaboration is eSight 3, a more compact product that is comfortable enough for users to wear all day, in any setting. With new features like Bluetooth and Wi-Fi connectivity that help users not only see but capture and share what they see, eSight 3 goes beyond enhancing vision, it augments people's visual capabilities.

"I saw a face for the first time in ten and a half years. I literally broke down crying...It's like a gift for the rest of my life."

Shera
at night view



Enhancing what's hidden without obscuring what's seen

While the majority of legally blind people have sufficient peripheral vision to see shapes and objects in their environment, they experience low vision in the central part of vision that helps the eye distinguish detail. Through enhanced contrast and 24x magnification, eSight 3 enhances the center portion of vision, allowing the user to identify faces, read expressions and discern other details. At the same time, the design of eSight 3 minimizes the extent to which the headset obscures peripheral vision.

"Working with Artefact was an exceptional experience. They are truly able to design at the intersection of technology and art. We are so proud of what they helped us create."

Jeff Fenton
Director of Marketing, iFlight



