Inclusive Designs

EyeCane by Cellico

Eyecane are smart glasses for people who suffer from age-related macular degeneration (AMD), the leading cause of vision loss. The macular area is lost and degenerates due to various factors related to aging and resulting in loss of function. As you get older, your chances of getting it increase.

The EyeCane is an assistive technology solution for age-related macular degeneration (AMD). The condition causes degeneration of the vision, which can make everyday activities like reading and recognizing faces difficult.

EyeCane is designed to help people with AMD rediscover lost vision. The smart glasses use a 4K camera and mobile app to capture, process, and display video to the user in real time. The captured images are then shown back to the user with an augmented reality display in Full-HD. This process moves the central vision to the peripheral field of view, allowing retina disease patients to recover their lost vision and regain independence. The clear, live images are moved from their impaired area to their viewable peripheral area, enabling sight.

https://www.cellico.com/

Picture shows a picture of a lady and a child ,the central area of a picture is black and its clear image of the child on the periphery