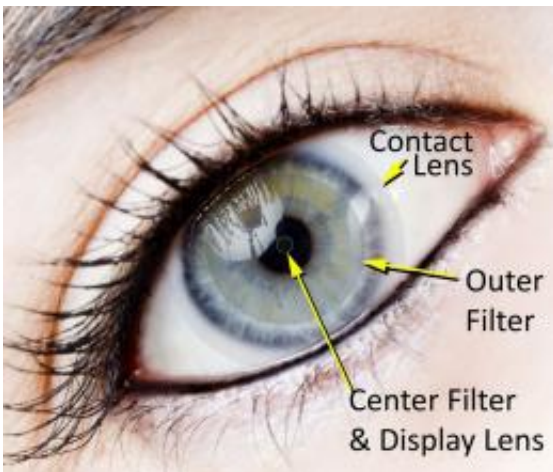


Darpa researchers design eye-enhancing virtual reality contact lenses

February 1 2012



Currently being developed by DARPA researchers at Washington-based Innovega iOptiks are contact lenses that enhance normal vision by allowing a wearer to view virtual and augmented reality images without the need for bulky apparatus.

Instead of oversized [virtual reality](#) helmets, digital images are projected onto tiny full-color displays that are very near the eye. These novel [contact lenses](#) allow users to focus simultaneously on objects that are close up and far away. This could improve ability to use tiny portable displays while still interacting with the surrounding environment.

Developed as part of DARPA's Soldier Centric Imaging via Computational Cameras (SCENICC) program, SCENICC's objective is to eliminate the ISR capability gap that exists at the individual Soldier level.

The program seeks to develop novel computational imaging capabilities and explore joint design of hardware and software that give warfighters access to systems that greatly enhance their awareness, security and survivability.

Provided by DARPA

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