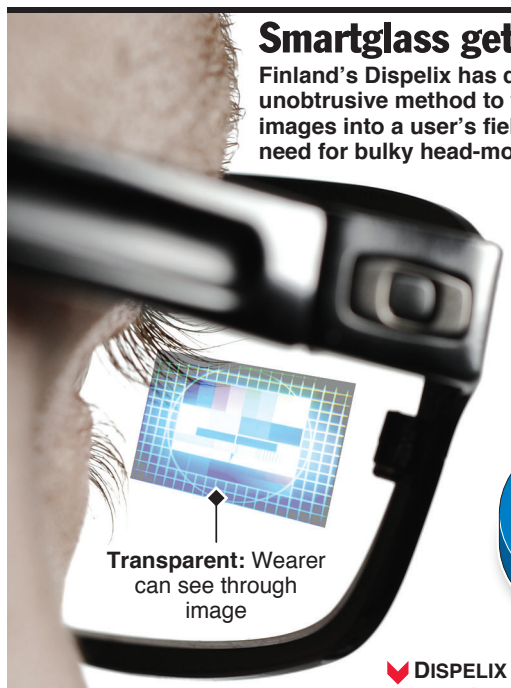
# Smartglass gets smarter

**Finland's Dispelix has developed a light and unobtrusive method to transmit high-definition images into a user's field of vision – negating the need for bulky head-mounted prisms or projectors**



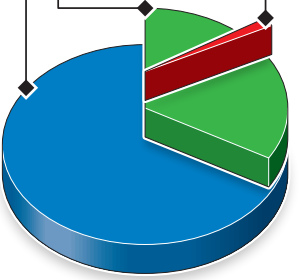
**Transparent:** Wearer can see through image

## AUGMENTED REALITY REVENUE SHARE *(2020 forecast)*

Market worth: **$120 billion**

Hardware sector: **$40bn**

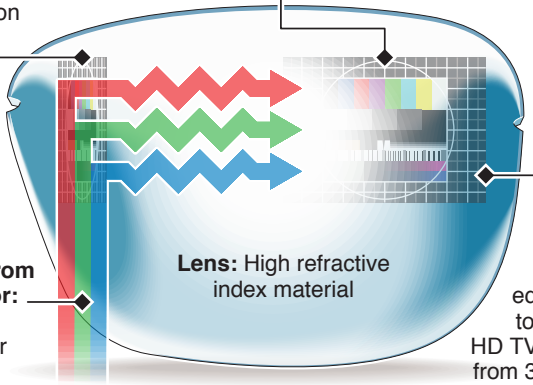
**Optics share: *$1.5bn***



## DISPELIX PRINCIPLE *(available 2016)*

**1 Diffractive light in-coupling grating:** Compressed image received. Hidden inside frame of eyewear in final version

**2 Diffractive light out-coupling grating:** Image diffracted through lens and expanded into viewable form



**Source image from projector:** Video or computer display

**Lens:** High refractive index material

**Virtual image** Visible only to wearer, equivalent to 60-inch HD TV viewed from 3m away

Source: Dispelix Oy

Picture: Juha Sarkkinen (VTT Research)