

# Smart Ophthalmoscope

The aim of the project is to develop a technology demonstrator for a handheld, easy-to-operate, non-mydratric, high-resolution (10 $\mu$ m) digital ophthalmoscope. The ophthalmoscope will capture retinal images for digital storage, allowing objective judgement/diagnosis and future reference by opticians and eye clinicians in the field. Key aims of the research are to integrate advanced opto-mechanics, illumination, image capture and image processing elements into a working system with real clinical and commercial value.

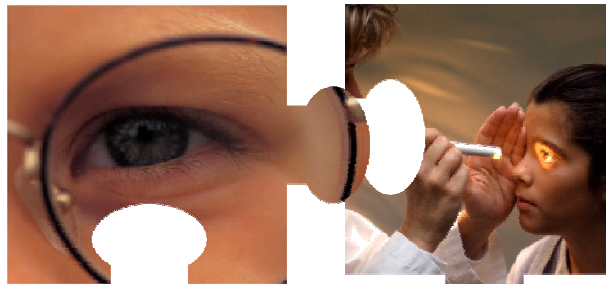
“This could be the biggest advance in hand-held ophthalmoscopes in a hundred years,” says Professor Fred Fitzke of UCL Institute of Ophthalmology.

To find out more, contact [CliveB@Keeler.co.uk](mailto:CliveB@Keeler.co.uk)

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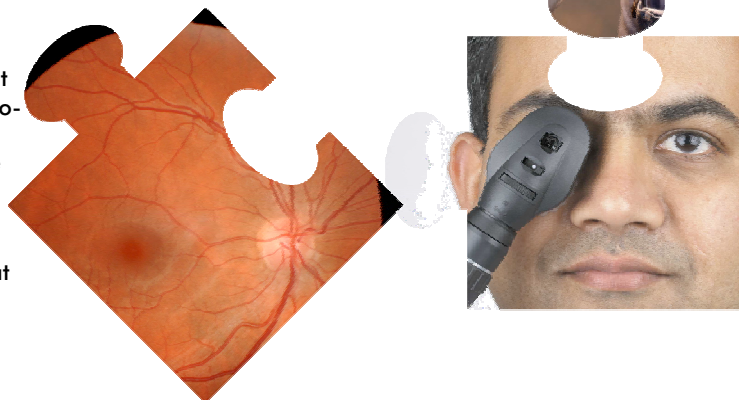
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## City University Applied Vision Research Centre

The AVRC provides a focus for the development of multidisciplinary research projects with emphasis on both pure and applied aspects of vision research.

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## University of Warwick Optical Engineering Laboratory

The OEL at the University of Warwick is actively researching many areas. Our expertise covers both mechanical and biomedical engineering, with current research covering areas as diverse as engine diagnostics, medical laser ablation and diabetes screening.

<http://www.eng.warwick.ac.uk/~espb/>

## University College London Institute of Ophthalmology

The Institute of Ophthalmology and Moorfields Eye Hospital form the largest single site for eye care and research in the world. Together our work has led the world. At a time when many large dedicated eye hospitals over the western world have closed, we present a unique combined resource.

<http://www.ucl.ac.uk/ioo/>

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