The aim of the project is to develop a technology demonstrator for a handheld, easy-to-operate, non-mydriatic, high-resolution (10µm) 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

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