

## IDEAL FOR SCREENING

The D-EYE can be used on both dilated and undilated eyes, depending on what the examiner is searching for. Some conditions are best viewed through dilated pupils, which afford a wider field of view:

Undilated Eyes (up to a 6-degree field of view)		Dilated Eyes (up to a 20-degree field of view)	
<b>Optic Nerve</b>	<ul style="list-style-type: none"> <li>- Glaucoma</li> <li>- Inflammatory and Infective Diseases</li> <li>- Ischemia</li> <li>- Malignant Systemic Hypertension</li> <li>- Neuropathies (Neuritis, Papilloedema)</li> </ul>		<ul style="list-style-type: none"> <li>- Branch Retinal Vein Occlusions</li> <li>- Central Retinal Vein Occlusions</li> <li>- Full Diabetic Retinopathy Screening</li> <li>- Peripheral Lesions</li> <li>- Retinal Detachments</li> <li>- All diseases viewable in undilated pupil</li> </ul>
<b>Posterior Pole</b>	<ul style="list-style-type: none"> <li>- Grading Hypertensive Retinopathy</li> <li>- Macula Assessment</li> <li>- Severe Grade Pathologies:                             <ul style="list-style-type: none"> <li>Advanced Diabetic Retinopathy</li> <li>Age Related Macular Degeneration (depending on pupil size)</li> <li>Hemorrhages</li> <li>Retinal Detachments</li> <li>Retinitis Pigmentosa</li> <li>Vitreous Detachment</li> </ul> </li> </ul>		

## D-EYE DESIGNED FOR

- Ophthalmologists
- Optometrists
- Neurologists
- Pediatricians
- General Practitioners
- Emergency Room Medical Staff
- Medical Students
- Nurse Practitioners
- EMTs
- Veterinarians

## ABOUT D-EYE

Founded in 2014, D-EYE Srl offers a “digital eye” into the state of the human body. We design and manufacture mobile sensing and examination devices, along with companion applications, that enable mass health screenings and data collection to improve access to vital health examination services. We also develop and operate cloud-based platforms that enable telemedicine applications, and aggregate and analyze health screening data to provide insight into individual conditions as well as trends across patient populations.

Developed in part with a grant from the Fondazione Cottino and with support from the University of Brescia, the revolutionary D-EYE Portable Retinal Imaging System was created by Si14 SpA, a visionary original design and development laboratory for novel technology products that enhance the way we live, work and play.



## MERCOFRAMES OPTICAL CORP

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Best in show  
**AMERICAN ACADEMY OF OPHTHALMOLOGY**  
*The Eye M.D. Association*



## D-EYE™ PORTABLE RETINAL IMAGING SYSTEM



## INTRODUCING THE ONLY PORTABLE OPHTHALMOSCOPE CAPABLE OF RECORDING HIGH-DEFINITION IMAGES AND VIDEO OF THE RETINA

The innovative D-EYE Portable Retinal Imaging System easily attaches to a smartphone (Apple or Samsung), creating a fundus camera capable of recording high-definition video and still images of the interior of the eye for health screening and evaluation.

### A VALUABLE, MOBILE DIAGNOSTIC TOOL

D-EYE can be used to conduct routine eye examinations and retinal screenings anywhere for possible detection of a variety of disorders:

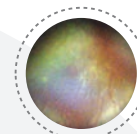
- See the optic nerve head without dilating drops
- Look for neurological disorders associated with the eye
- Record images of children and infants without dilation drops
- Use to examine bed-ridden patients
- Use in emergency room evaluations
- Review before and after treatment images with patients, and parents or guardians



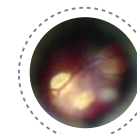
## USE TO SCREEN AND EVALUATE



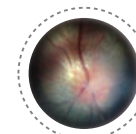
GLAUCOMA



MACULAR HOLE



ASTROCYTIC  
HAMARTOMA



OPTIC GLIOMA



UNDILATED  
CHILD

### D-EYE FEATURES

- Field of view of up to 20 degrees
- Portable - requires no external power or lighting
- Prescreen anywhere and share with other specialists immediately via the web
- Non-invasive, convenient and ergonomic
- Eliminates corneal glare
- Provides high-definition images
- Record multiple images or videos
- Built-in patient information file
- Optional private and secure cloud-based storage system
- iOS and Android based applications



### CERTIFICATION AND PRIVACY

The D-EYE organization fulfils the Quality Management Requirements of ISO 13485, FDA GMP and HIPAA Patient Privacy Standards.

Required product safety and certifications will be completed where required for global acceptance in the medical community.

Current registrations: U.S. Food and Drug Administration - HKI Ophthalmic camera class II 510(K) exempt; CE - Medical Device Directive 93/42/CEE class I

D-EYE may be classified as an ISO 15004-2, group 2, device with some smartphones.

### APP APPLE IOS AND ANDROID

D-EYE is easy to learn and simple to use. Download the smartphone app, affix the mounting bumper and fundus lens, set up patient/exam file, focus the phone's camera and begin recording. It's that easy, that simple.

Download the D-EYE app:

