

**iCare** ILLUME



**Instant detection of  
diabetic retinopathy using  
artificial intelligence**

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## Fast and effortless screening for diabetic patients in all care settings

### Why use artificial intelligence in screening?

- Artificial intelligence (AI) provides efficient processing for higher throughput
- AI detects early signs of retinal pathologies instantly and classifies the results according to severity
- With AI, diabetologists can ensure continuity of care by monitoring the condition of each patient's retina during routine visits
- Our AI partner Thirona B.V. provides results that match the level of a professional human grader
- AI generates heatmaps as a supportive system for human experts to review and interpret visual indications



## The iCare Screening Solution allows **fast and effortless screening for diabetic retinopathy**

- High-quality images taken with iCare DRSplus\* meet the requirements of AI on the first take
- Swift, fully automated operations result in significant timesaving
- Dilation is not needed, and imaging is successful even in patients with media opacities
- More focused and controlled referral flow



## Enabling **digital screening pathways**

- Practice owners can offer screening as a new service
- Results can be stored in most widely used electronic health record systems, improving communication
- Referrals can be shared outside your organization, improving care compliance
- Data security and privacy meet the highest standards

## **Swift, fully automated** operations



1. The iCare DRSplus fundus imaging system is intuitive and requires minimal staff training.

2. High-quality images are automatically stored and forwarded for processing by AI.

3. The report is instantly available and can be discussed with the patient during the same visit.

\* iCare DRSplus fundus imaging system, using iCare TrueColor Confocal Technology

## iCare. For better perception.

iCare is a trusted partner in ophthalmic diagnostics, offering physicians fast, easy-to-use, and reliable tools for diagnosis of glaucoma, diabetic retinopathy, and macular degeneration (AMD). Our devices cover automated fundus imaging systems, perimeters, and handheld rebound tonometers. iCare Solutions provide digital clinical tools that drive greater efficiency and enhance quality in eye care.

We believe that ophthalmic care must be accessible, effortless, and reliable, and our aim is to establish the next level of eye care.

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