

O X S I G H T

ONYX

Central Vision Loss  
smart glasses



The Future of Vision

[www.oxsightglobal.com](http://www.oxsightglobal.com)



## Stephen Hicks

University of Oxford Research  
Fellow in Neuroscience and Visual  
Prosthetics, Nuffield Department of  
Clinical Neurosciences

**OXSIGHT Co-founder**

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“ OXSIGHT’s mission is to support the visual experiences of people around the world, so we made the decision to build a new system for central vision loss completely from scratch to solve all the main issues such as size, weight, attractiveness and cost. The result is OXSIGHT Onyx. The ultimate visual aid for everyday use; small and elegant to fit with a variety of lifestyles. I hope that it brings a little bit of joy and light to people in these times.

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# We understand Central Vision Loss

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From our years of experience in low vision, listening carefully to your feedback, we really understand the solutions you are looking for.

“ I'd love to go to a restaurant and read the menu myself. It's not the same having it read aloud.

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“ I've missed seeing the smile on my wife's face. I'd give anything to see that again clearly.

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“ I want to regain confidence to do odd jobs around the house. I used to enjoy DIY. Although my wife wasn't quite so keen.

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“ My grandchildren are always bringing drawings and artwork home from school. They're hung around the house, and to see them in their full colourful glory would mean so much.

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“ I miss being able to follow Countdown on the TV screen, it's always been one of my favourite programmes.

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# Could OXSIGHT Onyx change your life?

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Providing you have suitable remaining vision to see the screen of the device, it can work with a wide range of conditions, such as:

- AMD – Age Related Macular Degeneration

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- MD – Macular Degeneration

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- MM – Myopic Macular

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- DMO – Diabetic Macular Oedema

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- CSR – Central Serous Retinopathy

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- MH – Macular Hole

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- LHON – Lebers Hereditary Optic Neuropathy

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- PIC – Punctate Inner Choroidopathy

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- RVO – Retinal Vein Occlusion

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- DR – Diabetic Retinopathy

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- Stroke Related Sight Loss

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- Stargardt Disease

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- Macular Dystrophy

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- Inverted Retinitis Pigmentosa

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- Corneal Opacity

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To find out if our smart glasses could help, please contact our Customer Care Team on +44 1865 580255

Scan the QR code to see answers to some FAQs.



## How do OXSIGHT Onyx work?

Our smart glasses work by capturing an image with the inbuilt camera, processing and enhancing it using the onboard computer and displaying it on bright, colour-rich OLED screens within the smart glasses. This image is then visible to the part of the eye with suitable remaining vision.



# How will it help with my Central Vision Loss?

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OXSIGHT Onyx smart glasses allow you to zoom into an image, making it clearer and bigger. Using the latest AI (Artificial Intelligence) technology, the onboard computer simultaneously processes the image and can help you to better identify faces, text and objects.

Through extensive testing, we have found users experience:

- Improved ability to read and identify text

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- Improved ability to recognise faces

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- Improved TV and screen watching

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- Improved readability of mobile phone screens

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- Increased independence across a range of daily tasks

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- Better low light vision

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The greatest benefits were experienced by those with the lowest visual acuity.

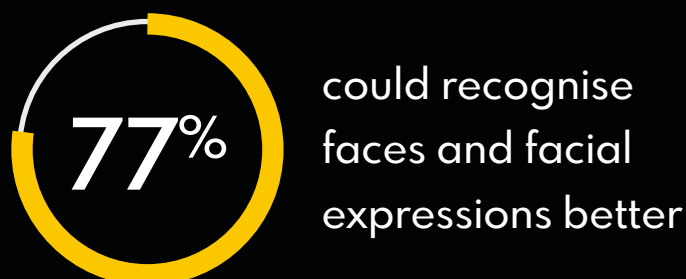
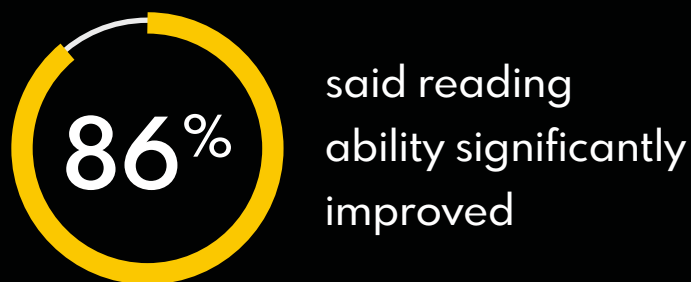
# Can you prove they work?

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Our trial results captured data from over 120 people, across three countries, assessing their ability to perform three core tasks:

1. Reading
2. Face Recognition
3. Object Recognition

The exciting findings show:



An even split of male and female volunteers were involved, who had an average age of 71. Over two thirds of individuals (68%) reported having AMD (wet and dry combined).

# What's the experience of someone who has used them?

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Nathan is a blind England ice hockey player and volunteer for the Oxfordshire Association for the Blind. Diagnosed with Cone Rod Dystrophy, Nathan began losing his vision when he was 18.

“ I saw my mum's face for the first time in five years and I made a joke about how much she'd aged, which didn't go down well.

Putting them on was an amazing experience. I could see a lot more detail. Wearing the glasses, I could read infinitely faster. I can read the ingredients on food packets too, and they're really helpful to read a menu.

It's the small things that people often take for granted that will be improved by these glasses. I can't enjoy a visit to an art gallery or a museum, unless it's a touch tour. They don't let you touch the Mona Lisa though, so it's having cultural things return that will have the biggest impact for me. OXSIGHT have really thought about what visually impaired people need and want. These glasses will make life better for many people.





**Scan the QR code to**  
hear more about Nathan  
and others' stories.



# Wow, all I can say is...wow. I'm absolutely bowled over!

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Yvonne, aged 75, was diagnosed with dry macular disease in her right eye when she was 50, and just one year later lost her central vision completely. The writer and grandmother of 11 was dealt a further blow two years ago, learning she had developed wet macular degeneration in her left eye.



Yvonne describes putting on the smart glasses for the first time as 'incredible'.

“ Wow, all I can say is...wow. I'm absolutely bowled over! I can see your lovely face and I can see your teeth! I can't tell you how thrilled I am to see a face again.

With my own glasses I can see an outline, but it's all blurred. The picture is sharp [with the smart glasses]. What a difference! I can't believe it. I'm gobsmacked.

When I was diagnosed with wet macular degeneration in my left eye, it hit me very hard. I suffer from bouts of depression and anxiety, but I'm determined the condition isn't going to beat me. The difference to my vision with the smart glasses is just phenomenal.



# What do the experts say?

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## Michael Crossland

Specialist Optometrist in Low Vision and UCL Hon.

Senior Research Associate, Moorfields Eye Hospital

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“ I am very excited about the OXSIGHT Onyx low vision device. Assistive technology is already helping many of our patients with moderate to severe visual impairment, but current devices are limited by their weight, cosmetic appearance, non-intuitive controls, and lack of versatility.

The OXSIGHT Onyx device has addressed many of these concerns. OXSIGHT Onyx has clearly been designed with the needs of people with visual impairment in mind. I think it will provide a more affordable, more versatile, more lightweight solution for many of the people I see with visual impairment, and will enable more people to maintain independence, to study, to work, and to avoid social isolation.

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# Our customer feedback

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“ I could read more than I have been able to for over 20 years.

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“ That’s amazing! I can see you smiling. I can see your teeth.

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“ The detail is a lot clearer. I can see his face. I can see facial hair.

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“ I haven’t seen my mum’s face in 10 years.

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“ I like that they look like glasses.

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“ I would definitely have a pair if they were available.

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“ Can I buy a pair now?

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## So how much to transform my vision?

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Every element in the design and development of OXSIGHT Onyx has been scrutinised in order to optimise not only performance, but also cost. An accessible price point and flexible finance options means that OXSIGHT Onyx has the opportunity to transform the lives of as many people as possible, which is an important goal.

**£1,499\*** Excluding VAT.

Flexible payment plans, offering 12 months interest free, are available to eligible customers in the UK who buy directly from OXSIGHT. This means your vision could be transformed for as little as just £3.30 per day\* (\*assumes 20% deposit). To find out more get in touch with our team.

# Key features

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OXSIGHT Onyx has been developed with customer experience at its heart. Our smart glasses offer the perfect balance between Wearability, Usability and Functionality.

Designed for any occasion, the smart glasses can offer constant use by attaching the arms and support band, which is ideal for activities such as watching TV. For occasional use a lanyard is supplied, meaning you can easily reach the device to look closely at an object or piece of text, such as when you're cooking from a recipe. It's also discreet enough to tuck away into a bag or pocket and use on demand, for example to read a menu in a restaurant.

## Features:

- Powerful 8x magnification

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- High contrast filters to enhance images

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- Capture and explore paused images

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- Automatic night mode

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- Face recognition with tracking and auto zoom

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- Object detection

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- TV/Screen watching mode

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- Bright and wide OLED screens

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- Adjustable brightness

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- Wide 70 degree field of view

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- A range of effects to improve contrast and visibility

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- Automatic power saving for longer battery life

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- Up to 90 min continual use

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- Continual use with USB power bank (not supplied)

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- Fast charge, approximately 1 hour to full battery

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- Up to 1 week battery life in standby mode

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- Simple and clear user interface

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- Easy to charge with large USB-C plug

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- Haptic feedback on button presses

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- Customisable button arrangement

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# A proven leader in eye health technology

We work with many organisations and trade bodies globally and are proud to support many charities helping those with low vision.



deafblinduk



R N I B




henshaws  
specialist  
college  
*beyond expectations*

NTA  
National Technology Awards 2019  
SHORTLISTED

A special thanks to the Macular Society for their support and assistance with the development of our OXSIGHT Onyx smart glasses.

## Don't face macular degeneration alone.

Join us today and we'll help you find your way with expert advice. You'll receive:

-  **Your Welcome Pack** – all you need to know as a new member.
-  **Sideview magazine** – packed with research updates, technology features, daily living tips and inspirational stories.
-  **Monthly e-newsletter** – including advice on living with sight loss, and the latest research news direct to your inbox.

6-month  
free trial  
membership



Start your FREE membership trial today by calling  
**01264 350 551** or at [macularsociety.org/ox1](https://macularsociety.org/ox1)  
It's easy to join - all we need is your name and address



**Macular Society**  
Beating Macular Disease

# Here is a little bit about us!

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OXSIGHT are a path-breaking group of scientists, solving visual impairment problems for millions of people around the world. Working closely with the low vision community, in 2010, the founding members began their research at the University of Oxford. Their work gained international recognition and they were invited to share what they had discovered at prestigious events across the world. Building on the research at University of Oxford, they established OXSIGHT in 2016, with the goal of developing innovative science-driven solutions for sight degeneration that balance style, functionality and intuitive technology.

## A multidisciplinary team

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The OXSIGHT team includes scientists and clinicians from various disciplines, such as ophthalmology, neuroscience, computer vision and machine learning. Combining their expertise, dedication and resolve, they developed a powerful pair of smart glasses. Their continuous yearning to make life better for those who are visually impaired urges them to expand the field of vision, enhance light and shape detection.

# Do you work in low vision? Want to know more about OXSIGT Onyx?

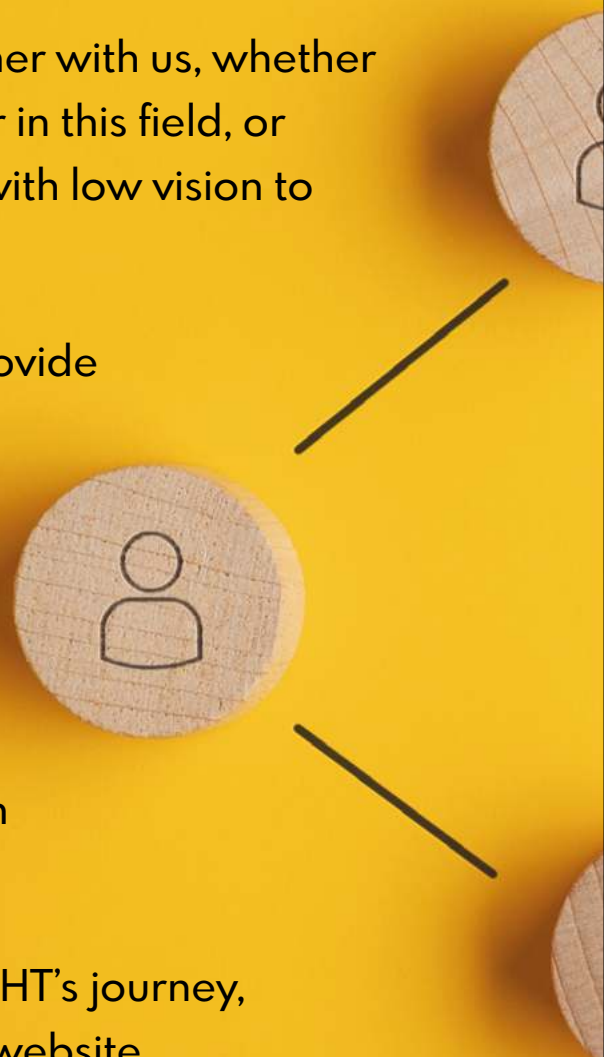
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If you're passionate about low vision and want to play a part in transforming the lives of people with sight loss by introducing them to the benefits of cutting edge smart technology, we'd love to hear from you.

We offer various opportunities to partner with us, whether you are a clinician, distributor, a leader in this field, or if you have a role signposting people with low vision to points of assistance and help.

Becoming an OXSIGHT partner will provide access to marketing materials, events, training and support. We also have opportunities for international partners to work with us, so please reach out to discuss extending our global footprint and collaborating to improve quality of life for the millions in the sight loss community.

To find out more and be part of OXSIGHT's journey, please contact our sales team via our website [www.oxsightglobal.com](http://www.oxsightglobal.com)



# Our Customer Promise

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At OXSIGHT we pride ourselves on customer care, and we're dedicated to supporting you every step of the way. As part of the OXSIGHT family, you will enjoy:

**Expert Support** | From OXSIGHT's qualified, in-house clinical specialists on using the smart glasses

**Flexible Finance** | Credit arrangements include 12 months interest free, and an initial upfront payment followed by monthly payments of £50

**Warranty** | Receive 12 months parts and labour warranty, for added peace of mind

**Upgrades** | Receive free software upgrades that OXSIGHT releases for all products

**Exclusive Access** | Notifications of special offers, vouchers and information from OXSIGHT-supported charities, plus invitations to private OXSIGHT events and conferences

**Money-Back Guarantee** | OXSIGHT offer a 14-day money back guarantee. Our Customer Care team will guide you through our conditions prior to purchase

# Where can we see OXSIGHT Onyx demonstrated?

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We are constantly adding to our list of partners in each region. For the most up to date information, please visit our website:  
[www.oxsightglobal.com/clinic-partners](http://www.oxsightglobal.com/clinic-partners)



## **OXSIGHT**

Oxford

## **OXSIGHT @ RNIB**

London

## **Samuels Opticians**

Birmingham

## **Bradbury Fields**

Liverpool

## **Henshaws**

Manchester

## **Simon Berry Optometrist**

Durham

## **Ferrier & Mackinnon Optometrists**

Dundee

To book a free demonstration contact us:

**+44 1865 580255**

**[care@oxsight.co.uk](mailto:care@oxsight.co.uk)**

**[www.oxsightglobal.com](http://www.oxsightglobal.com)**

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