Retina screening

Take an easy step in eye health with effective retinal screening

vx 610

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INNOVATION TO UNLOCK YOUR POTENTIAL

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vx 610

Simple integration for a smooth end-user flow

The VX 610 connected to A.I.* technology integrates an automated fundus camera with A.I.* solution to deliver thorough retinal screenings in under 6 minutes.

RETINA SCREENING

Easy installation, automatic fundus camera in your exam room

In store
Data collection
A.I.* REPORT

Off-site
Possible data review

Visionix Nexus
Data transfer encrypted and secured

Process start with **retina screening** and data collection. The ECP can request an **A.I.* screening** producing a report which build evidence. If further investigation is recommended, the ECP can request **external human grading from an off-site ophthalmologist**. Finally, the ECP internally reviews the report, **suggesting to the client the best next steps.**

TRIPLE EASE

1 Easy installation   **2** Easy connection   **3** Easy operation

*Artificial Intelligence EyeWisdom®MCS
Availability varies depending on the country

Championing visual health

The VX 610 connected to A.I.* technology allows you to expand your visual health capabilities. By playing an active role in retinal screening, you can support the health of your community and enhance your customer experience.

Simplified Outcomes: Easy-to-Interpret Report

| Patient Name: | John Doe | Birth date: | 17/06/1946 |
| ID: | 11473 | Gender: | M |

SCREENING RESULT ON FUNDUS

PATIENT RECOMMENDATIONS: It is advisable to refer to an opthahlmologist. The result of the AI software shows suspect of anomalies in the portion of the posterior pole analyzed. Periodic appointments with an ophthalmologist helps to prevent retinal diseases that might cause vision damages.

RIGHT EYE — LEFT EYE

Image quality score: 2 — Image quality score: 2
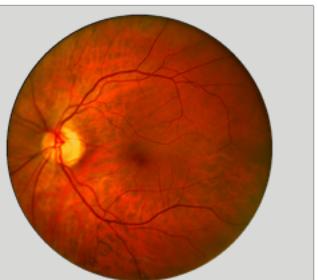
There is suspect of retinal pathologies

	RIGHT EYE		LEFT EYE
Diabetic Retinopathy:	No suspect detected	Diabetic Retinopathy:	No suspect detected
Exudative AMD:	No suspect detected	Exudative AMD:	No suspect detected
NonExudative AMD:	Suspect detected	NonExudative AMD:	No suspect detected
Risk score	10/10		
Glaucoma:	No suspect detected	Glaucoma:	Suspect detected
		Risk score	1/10
Other abnormalities:	No suspect detected	Other abnormalities:	Suspect detected
		Risk score	10/10

DISCOVER MORE ABOUT RETINAL HEALTH
Images were analyzed based on the signs of 13 most common retinal pathologies
Scan the QR code to discover more about retinal health

Powered by MD EyeWisdom MCS CE 1639 Visionary Intelligence Ltd. (Address:Room 1101, Floor 11, No.2 Haidian East Third Street, Haidian District, Beijing, P.R.China)
UDI (01)06975169730027(8012)V2.2.1

The A.I.* solution integrated in VX 610 detects up to 13** retinal pathologies, the A.I.* report displays the 4 major ones.

TRIPLE COMFORT

1 Fully Automatic
2 Simple and Fast Acquisition
3 Quick and Easy Reporting

TRIPLE BENEFITS

1 Enhance customer satisfaction and loyalty
2 Generate additional revenue streams
3 Differentiate your business

** Diabetic retinopathy, Retinal vessel occlusion, Pathologic myopia,,Exudative ARMD, Retinitis pigmentosa, Nonexudative ARMD, Epiretinal membrane, Optic disc atrophy, Central serous chorioretinopathy, Suspicious glaucoma, Macular hole, Retinal detachment, Retinal artery occlusion

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The three simple steps process

3 minutes to sign up

2 minutes for both eye exam

1 minute to get the A.I.* report

Optional human grading Close collaboration with the ophtalmologist**
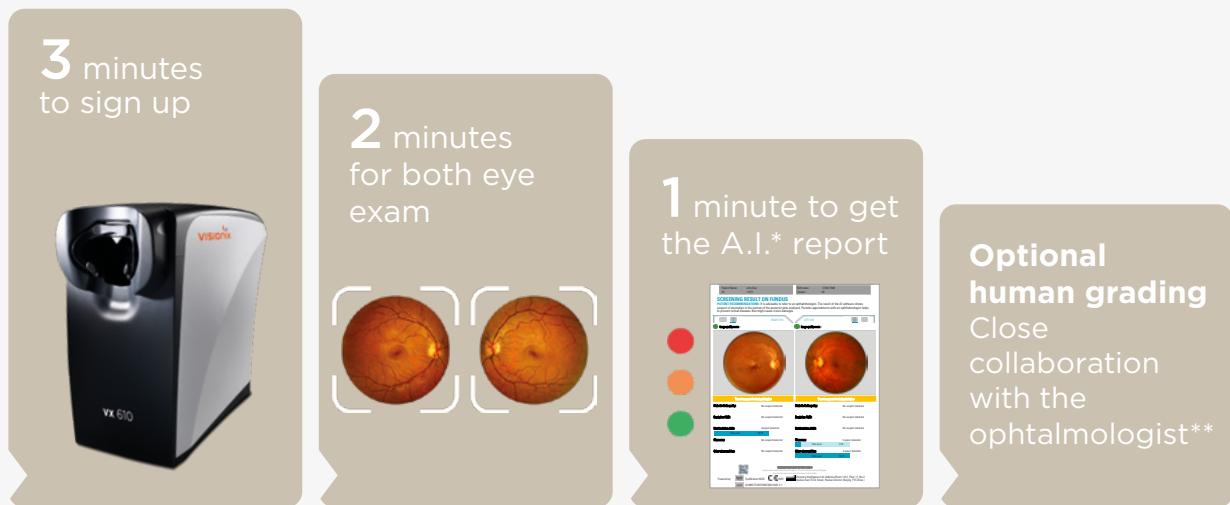
⏱ Start to finish in 6 minutes

> The most important thing with retinal disease is catching it as early as possible. Any technology or solution that supports that goal can help improve end-user outcomes, and has an important role to play in visual health.

Dr. Eugenio Innocenti
Consultant Ophthalmologist (Dusseldörf)

1

2

3

4
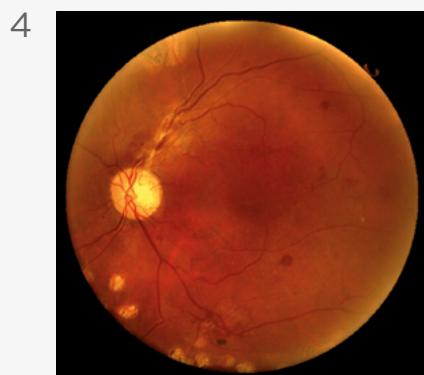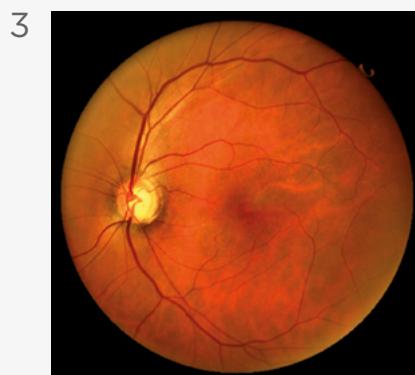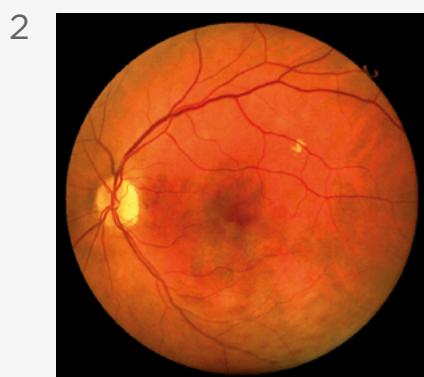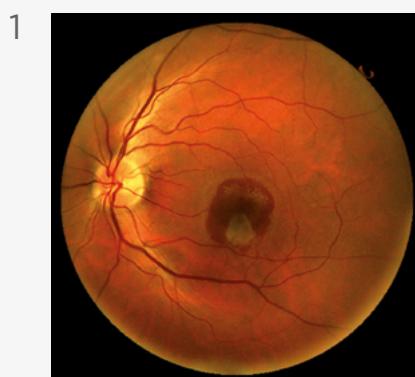
1. Wet AMD
2. Dry AMD
3. Glaucoma
4. Diabetic Retinopathy

*Artificial Intelligence EyeWisdom®MCS - Availability varies depending on the country

** In case of any potential suspect detected by the AI, we can offer a backup solution done by human grading directly via the platform to guarantee an efficient end-customer eye care pathway from end to end.

Validated solution

The EyeWisdom®MCS AI* solution integrated in VX 610 covers 13 common retinal pathologies. With most retinal diseases, the primary goal of treatment is to slow disease progression and preserve the retina and associated vision.

SENSITIVITY

The ability of the A.I.* to correctly tag a positive result:

93%*

SPECIFICITY

The ability of the A.I.* to correctly tag a negative result:

90.6%

The VX 610 A.I.* camera utilises an innovative cross-polarized light technology that provides excellent image quality while maintaining a compact footprint.

- No eye drops, no dilatation needed

- Robotic movements: auto-alignment, auto-focus and auto-capture

- Automatic capture of high-quality images

- Pleasant aesthetic: small footprint and ergonomic design

- Modern gesture interaction: the intuitive interface facilitates a quick start and smooth navigation

- No training needed

EXPERT VALIDATED
Reporting capabilities validated by experts

CE CERTIFIED
VX 610: Medical Device, Class IIa CE 0051
Combined to the AI MCS: Medical Device, Class IIa CE 1639

ESTABLISHED QUALITY
>90% sensitivity and specificity with low risk of false results*

Reports generated by the VX 610 device are intended to support, not replace, professional medical consultation and diagnosis

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*Internal study for CE mark submission of EyeWisdom®MCS by Li B, Chen H, Zhang B based on 3,127 images collected between 2014 and 2018, China, Visionary Intelligence. The clinical study was conducted under ideal conditions in a medical environment. The precision may vary depending on the measurement conditions and devices.

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Technical specifications

DIMENSIONS:

WIDTH	272 mm
DEPTH	445 mm
HEIGHT	480 mm
WEIGHT	14,7 Kg

Hardware specifications	
Field of view	45°
Field of view with mosaic function	90°
Retinal resolution	14 microns
Fixations	7 fixations set-ups
Tablet dimensions	11.5''
Weight	520 g
Size	269.1 x 169.5 x 7.4 mm

Software specifications
Image filters (vascular, choroidal, nerve fibre, red free)
Cup-to-disc ratio for glaucoma screening
Automatic mosaic function
Shared intranet folder
DICOM standard compatible

Data management
EyeWisdom ®MCS AI* solution integration for real time retinal images analysis
Cloud-based secure storage
Dicom connectivity
GDPR compliant with client side encryption
Automatic database backup
Integrated telehealth platform to connect device user with remote doctors for referrals (optional)

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