

Retina screening

Take an easy step
in eye health with
effective retinal
screening





Simple integration for a smooth end-user flow

The VX 610 equipped with A.I.* technology with EyeWisdom®MCS 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

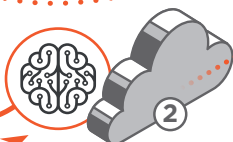
Data collection

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

Championing visual health


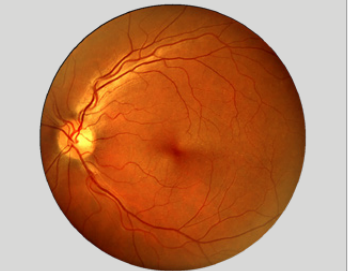
The VX 610 equipped with EyeWisdom®MCS A.I.* solution allows you to expand your visual health capabilities. By playing an active role in retinal screening, you can support the health of your community and enhance your customer experience.


Simplified Outcomes: Easy-to-Interpret Report

Patient Name: John-1 ID: 2342342342341	Birth date: 29/08/2018 Gender: M
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SCREENING RESULT ON FUNDUS

PATIENT RECOMMENDATIONS: It is advisable to refer to an ophthalmologist. 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.

<div style="display: flex; justify-content: space-around; align-items: center;"> RIGHT EYE </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 5px;"> Image quality score: 1 Image quality score: 1 </div> 	<div style="display: flex; justify-content: space-around; align-items: center;"> LEFT EYE </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 5px;"> Image quality score: 1 Image quality score: 1 </div> 
There is suspect of retinal pathologies	There is suspect of retinal pathologies
Diabetic Retinopathy suspect assessment: No suspect detected	Diabetic Retinopathy suspect assessment: No suspect detected
Exudative AMD suspect assessment: No suspect detected	Exudative AMD suspect assessment: No suspect detected
NonExudative AMD suspect assessment: No suspect detected	NonExudative AMD suspect assessment: No suspect detected
Glaucoma suspect assessment: No suspect detected	Glaucoma suspect assessment: No suspect detected
Other abnormalities suspect assessment: Suspect detected	Other abnormalities suspect assessment: Suspect detected
<div style="width: 100px; height: 10px; background: linear-gradient(to right, #0070c0 40%, #0070c0 40% 60%, #0070c0 60% 80%, #0070c0 80% 100%); margin: 0 auto;"></div> <p style="font-size: 8px; margin: 0;">Risk score 1/10</p>	<div style="width: 100px; height: 10px; background: linear-gradient(to right, #0070c0 40%, #0070c0 40% 60%, #0070c0 60% 80%, #0070c0 80% 100%); margin: 0 auto;"></div> <p style="font-size: 8px; margin: 0;">Risk score 1/10</p>



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 EyeWisdom MCS

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

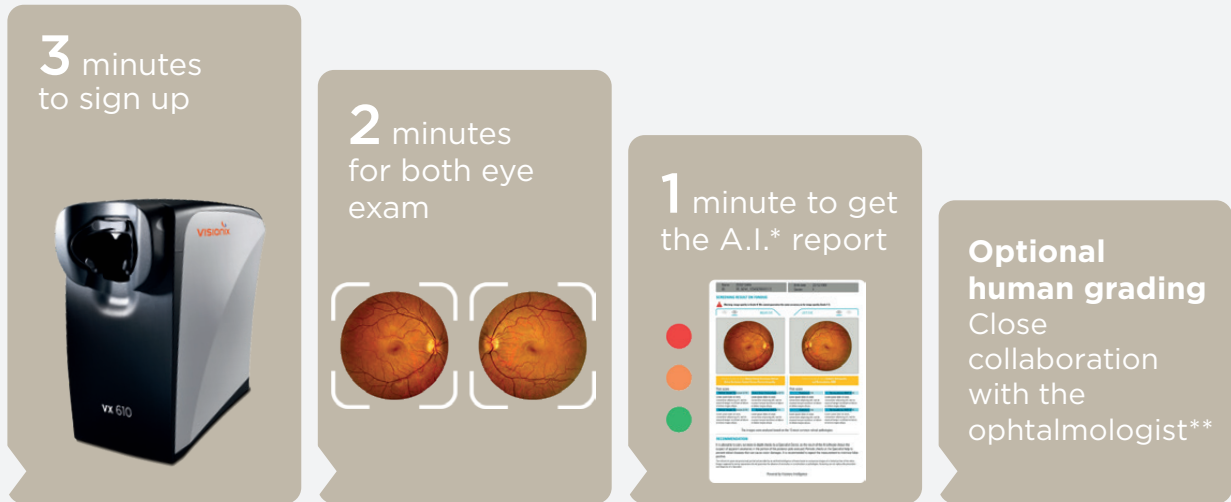
- 1 Fully Automatic
- 2 Simple and Fast Acquisition
- 3 Quick and Easy Reporting

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

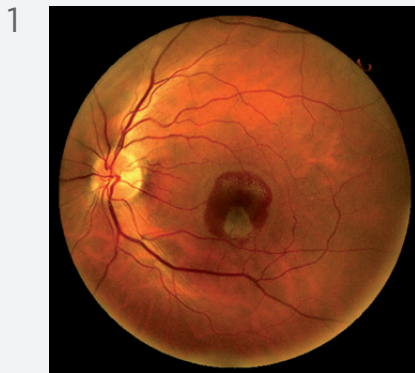
The three simple steps process



 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 (Dusseldorf)



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

*Artificial Intelligence EyeWisdom®MCS

** 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

Class II registered A.I with CE certification

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

*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.

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)



INNOVATION TO UNLOCK YOUR POTENTIAL

VISIONIX INTERNATIONAL SAS

2 Rue Roger Bonnet, 27340 Pont-de-l'Arche - France
Tél. + 33 232 989 132 - Fax + 33 235 020 294
contact@visionix.com

www.visionix.com