



ultra wide-field fundus camera

RetiCam 3100 Plus

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ultra wide-field fundus camera





one key operation

worldwide exclusive, one key operation, binocular capture automatically



non-mydratic

non-mydratic, search pupil automatically



automatic adjustment

Automatic focus, Automatic exposure, Automatic alignment, Automatic adjust working distance



HD images

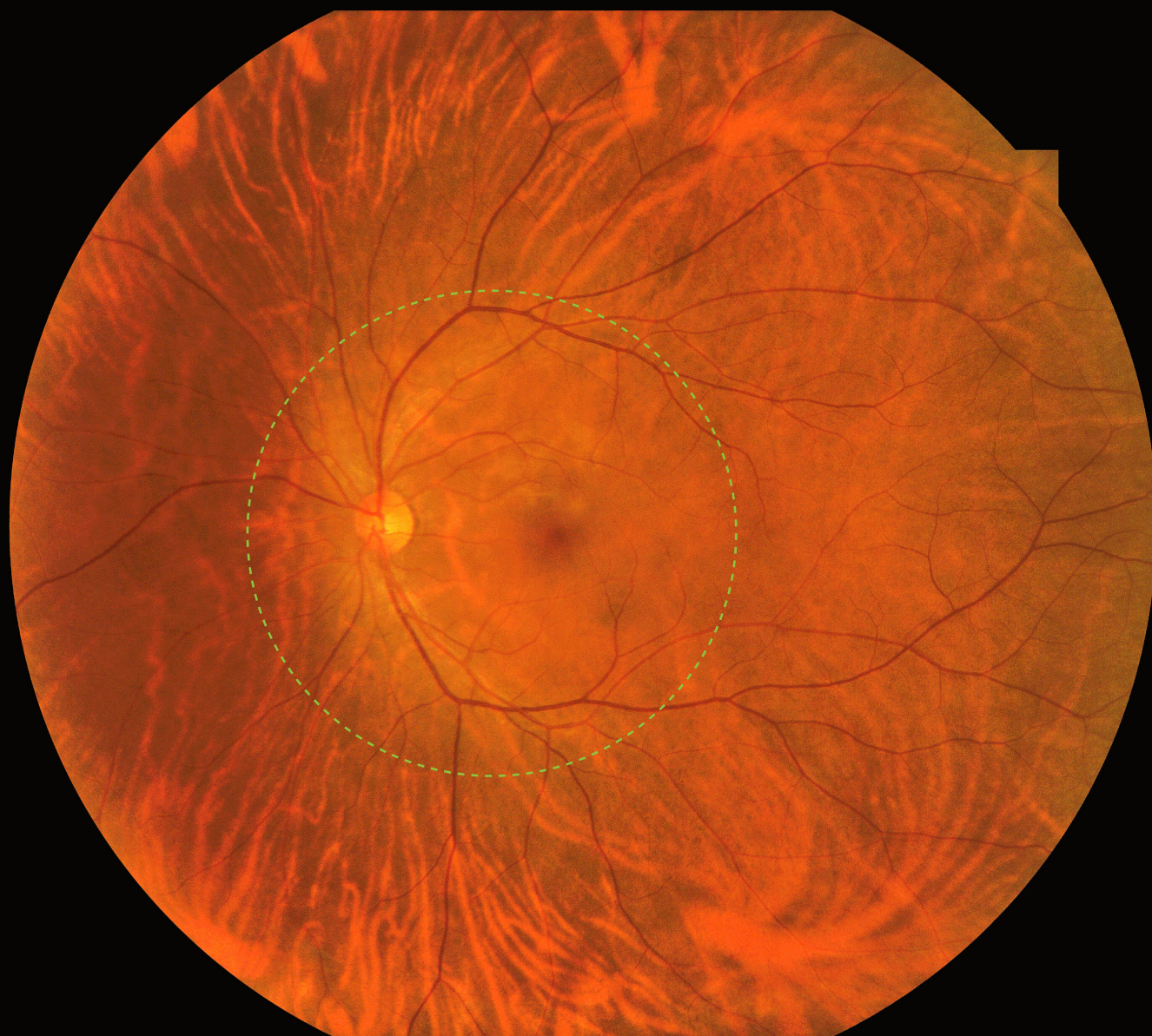
HD resolution, single image 176° wide field



true color

Continuous spectrum, presenting true fundus colors, accurate diagnosis

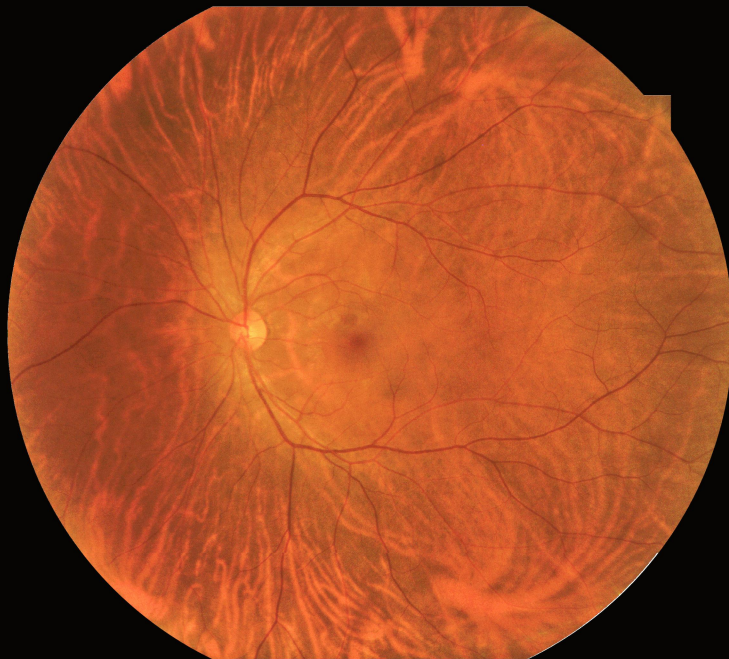
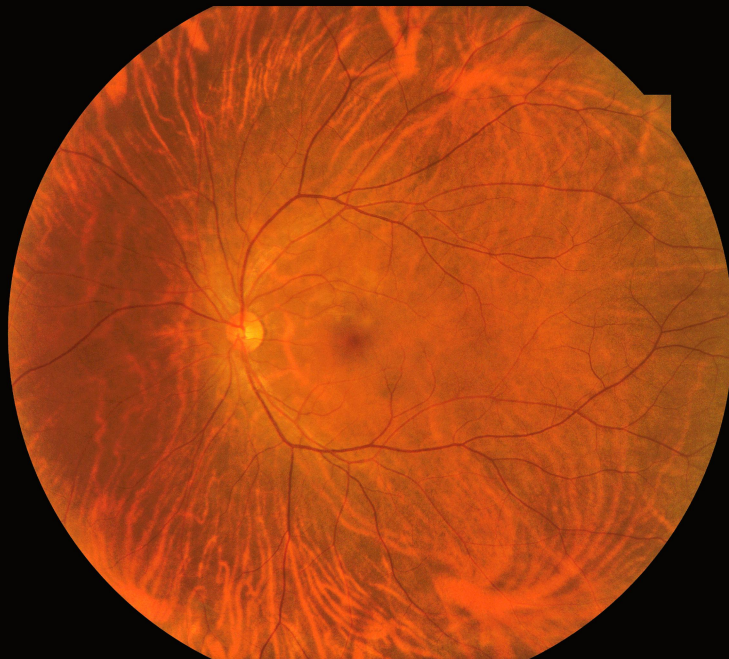
Never seen before
Single true color imaging field up to 176 °



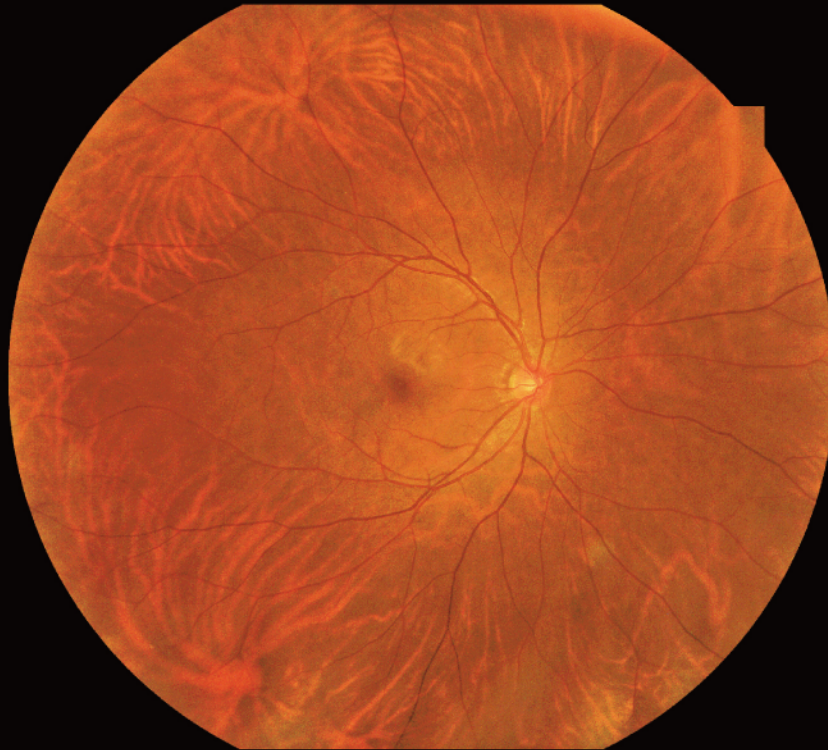
Soft exposure

Integrating advanced optical technology

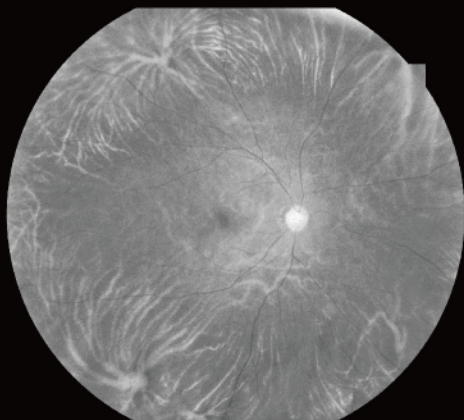
- Innovative and advanced optical design, continuously shooting images of the same patient fundus, with consistent image quality
- Using soft exposure technology to reduce pupil shrinkage after exposure and enhance user comfort



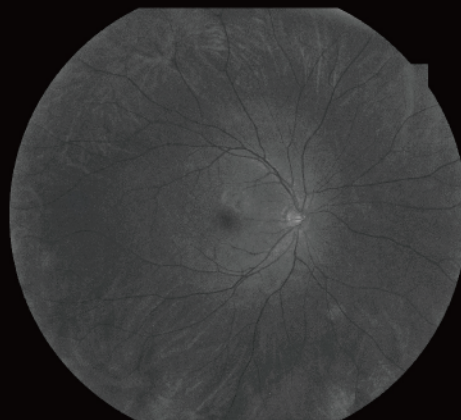
LED true color HD resolution



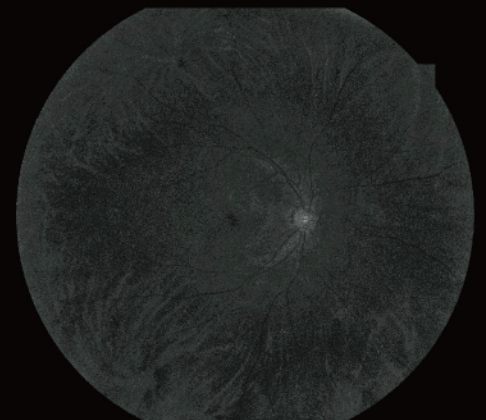
Continuous spectrum, true color image



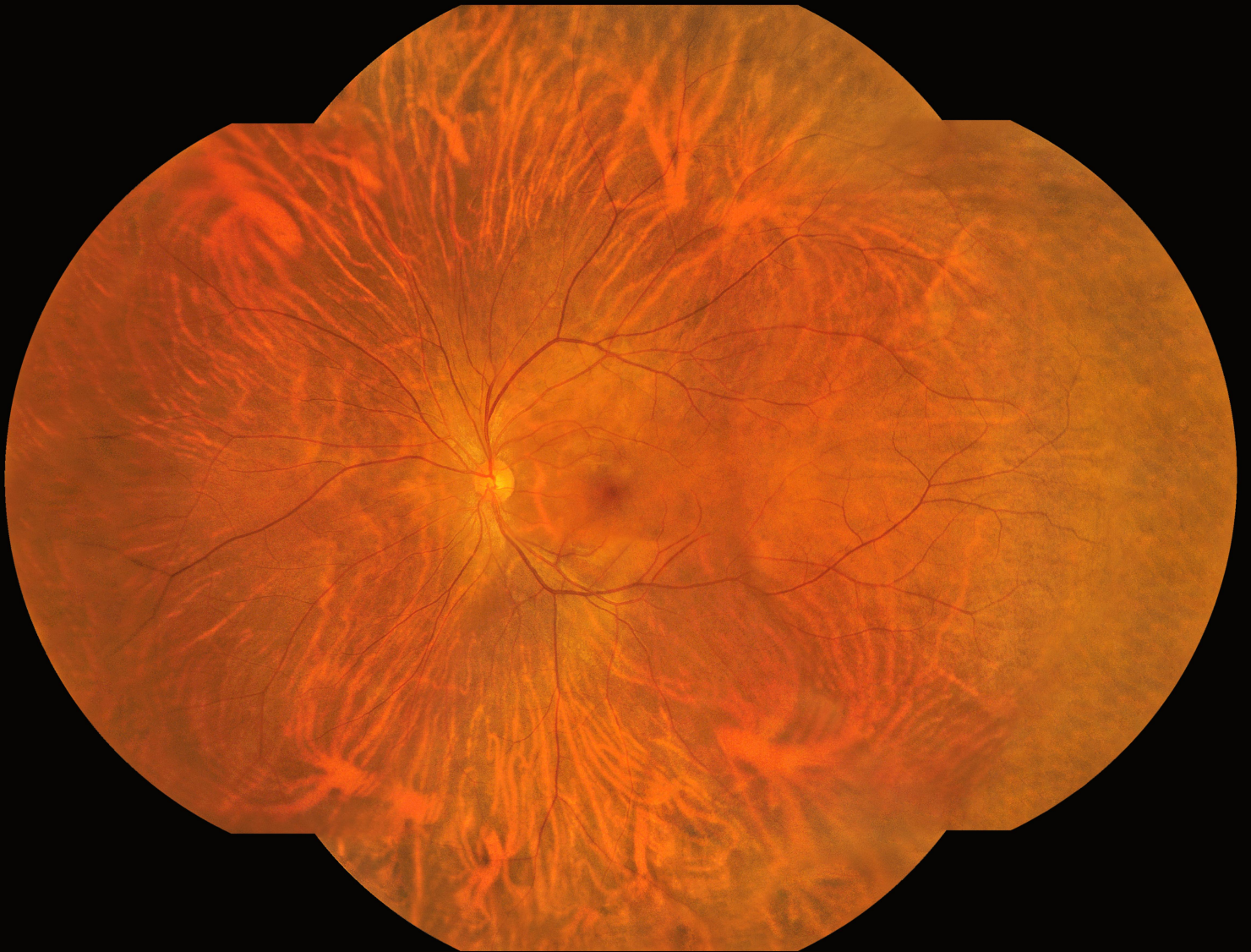
R
red channel



G
green channel

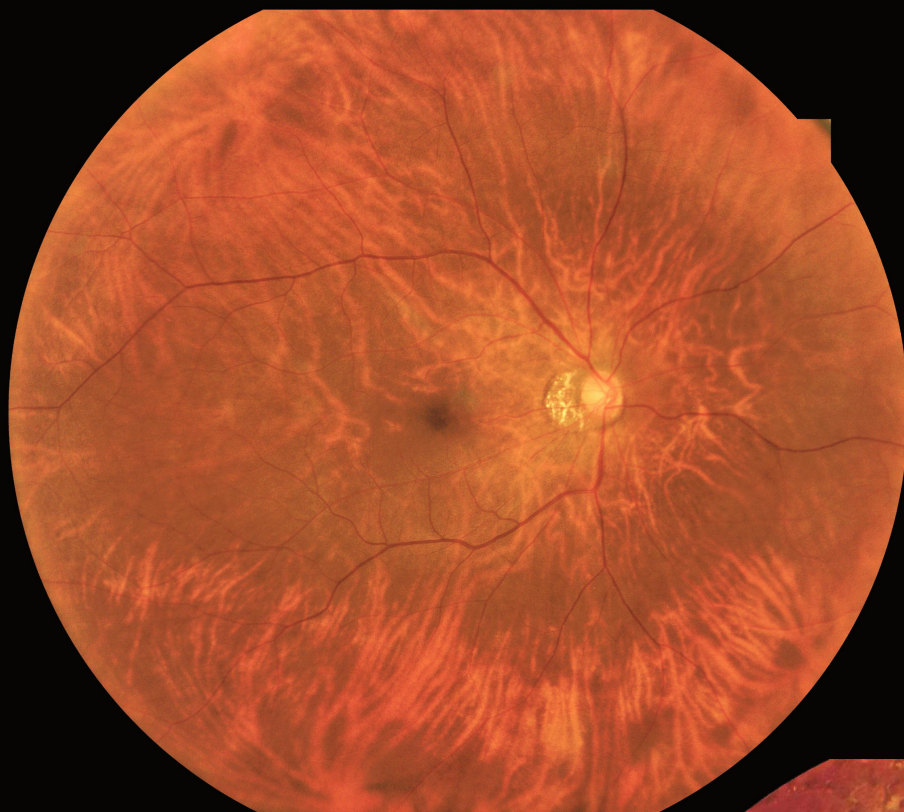


B
blue channel

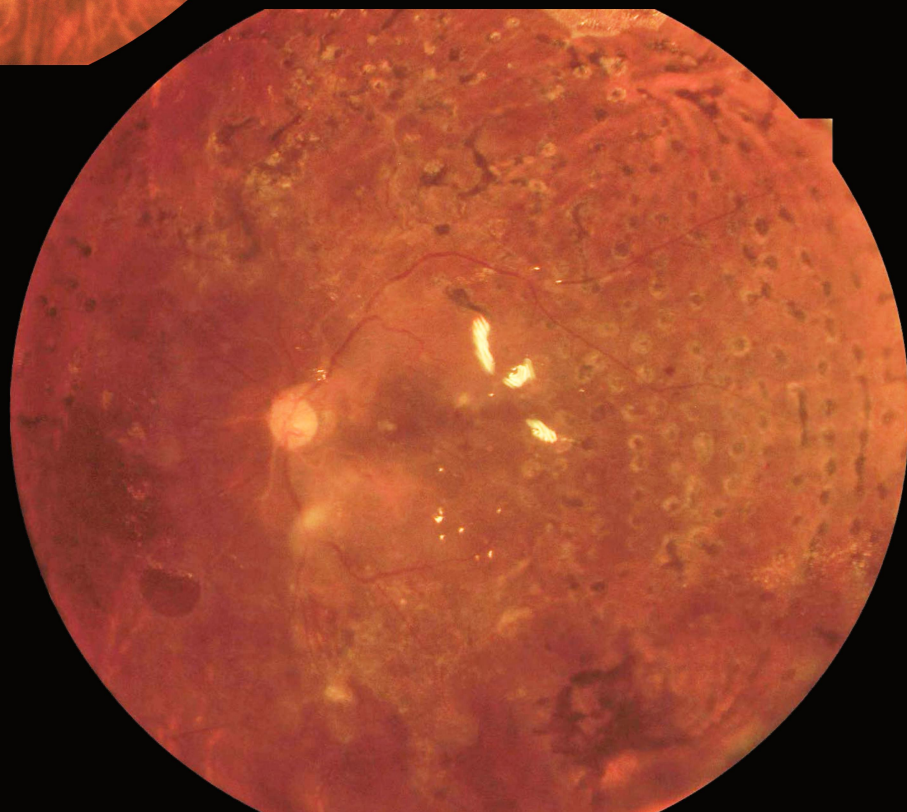


Automatic mosaic to present a whole fundus image

High-definition cases, quality first

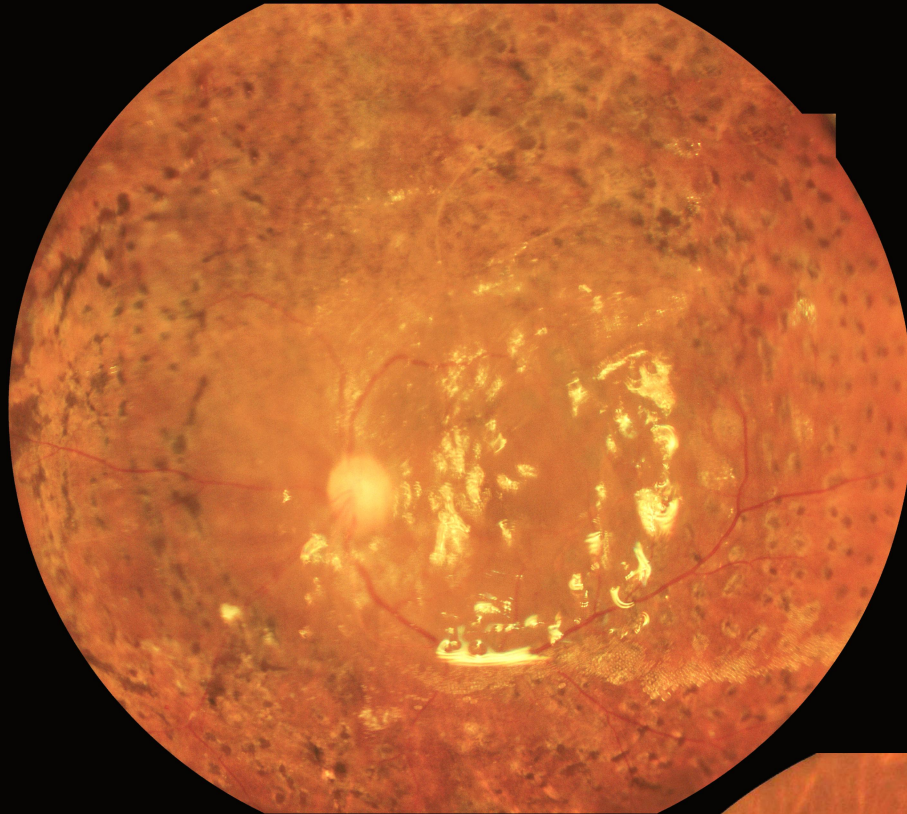


◀ Choroidal atrophy arc on the nasal side of the optic disc in the right eye



Fundus bleeding in the left eye after retinal ▶ laser photocoagulation in the left eye

True color restoration, accurate diagnosis



◀ Silicone oil filling status of the left eye after retinal laser photocoagulation of the left eye



Deep retinal hemorrhage in left eye ▶

SYSEYE

AI intelligent system

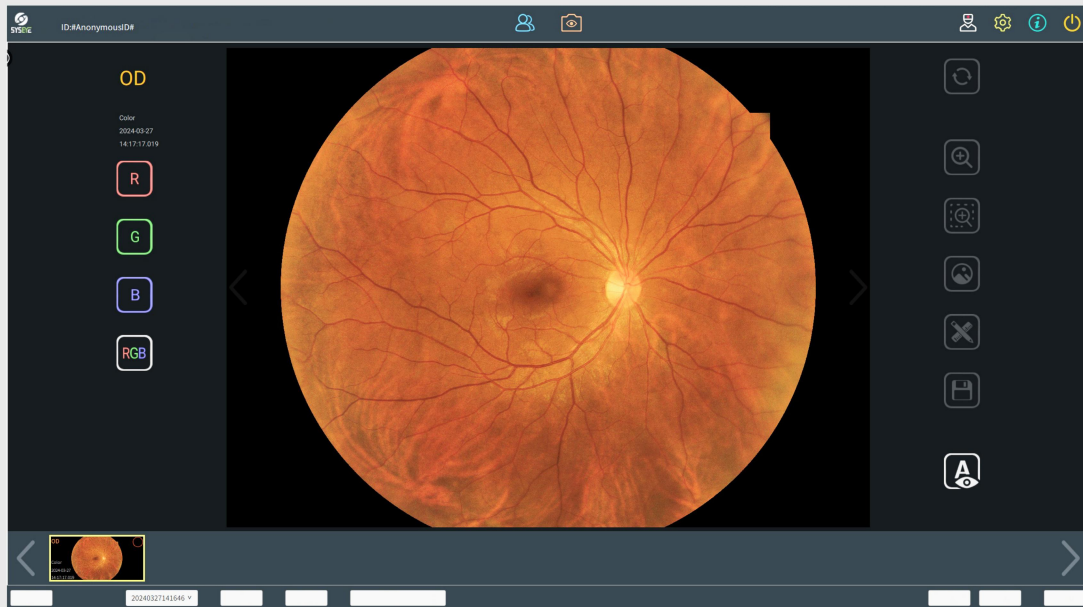
Highly precise positioning to quickly obtain fundus images



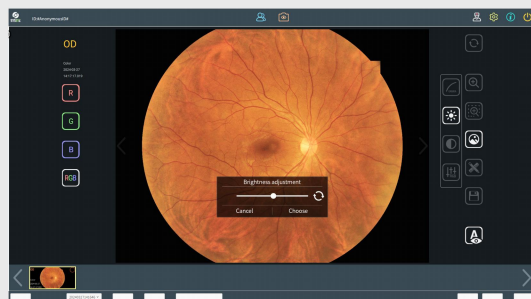
AI intelligent system, locate fundus position quickly, improve focus speed, save inspection time, improve work efficiency

Powerful multifunctional software analysis system

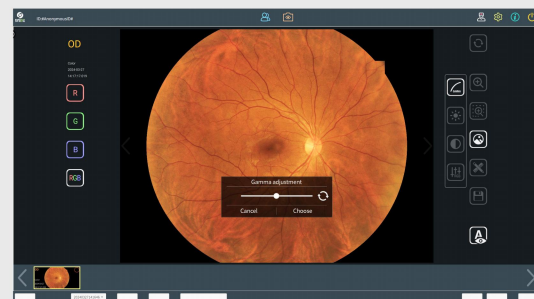
*Powerful image processing functions, obtain lesion area, cup-to-disc ratio easily.



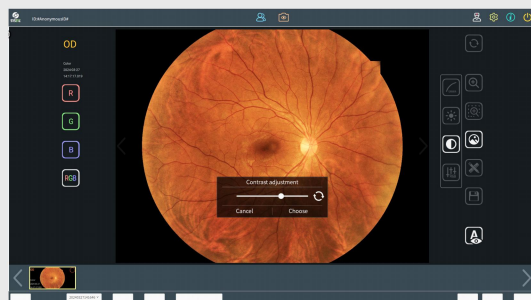
Picture gamma, contrast, brightness, and color can be adjusted according to the doctor's needs



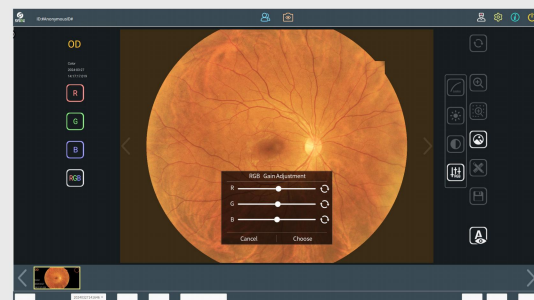
Brightness adjustment



Gamma adjustment



Contrast adjustment



RGB gain adjustment

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specification

imaging technology	LED true color
light source	LED white light
capture modes	single capture, automatic mosaic
imaging modes	color image
Field of view (from the center of the eyeball)	wide field 176° (tolerance $\pm 5\%$) ultra wide field 220° (two images) multi mosaic is larger than 260°
resolution (optical)	8 μ m (tolerance $\pm 7\%$)
soft exposure technology	Reduce pupil shrinkage after exposure, reduce patient discomfort, and better adapt to children and special patients
working distance	10mm \pm 2mm
camera flash light source illumination	The maximum illumination is less than 130000lx
automatic operation	Automatic focus, Automatic alignment, Automatic capture, Automatic gain/manual
AI intelligent system	Accelerate precise positioning of the fundus, improve focusing speed and accuracy, and reduce examination time
capture speed	16 frames/second; image capture 60ms
display screen	High-definition display, 27-inch color monitor (resolution 2560*1440P)
Power supply	Voltage 220v power 200W

*Specifications and design are subject to change without notice.

Available in the UK from Grafton Optical

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