

Apollo RGB

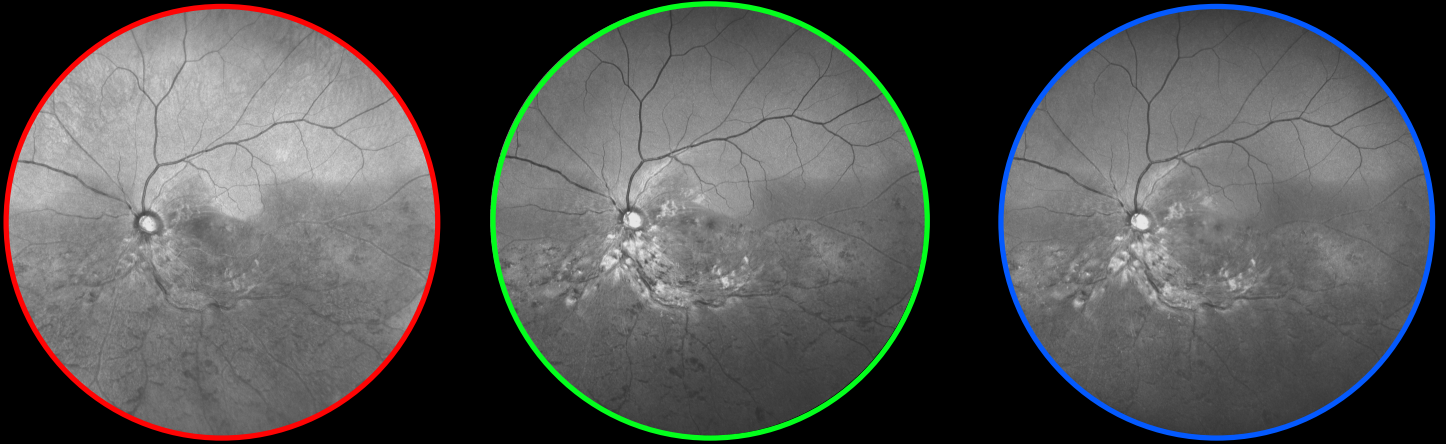
Ultra-widefield

Color and
Autofluorescence

2.0mm Pupil Size

Offline Retina
Assistant

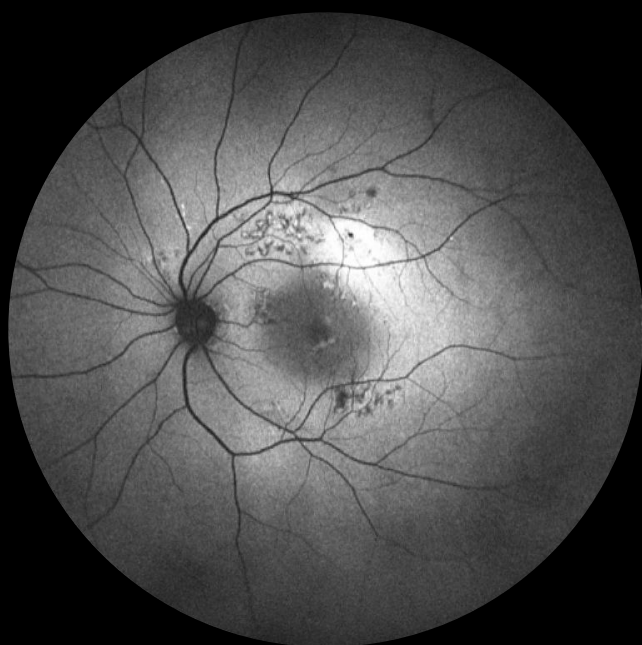
RGB Laser Imaging



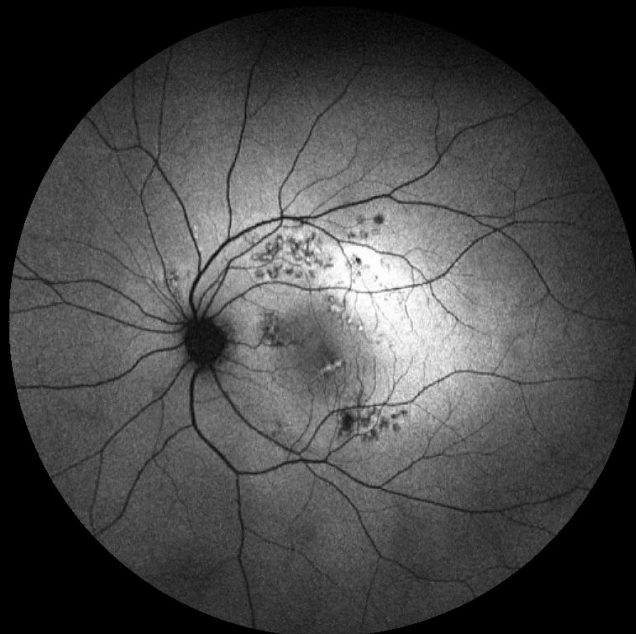
Apollo RGB ultra widefield image is the combination of 3 confocal laser sources that provide **maximum fidelity** and **maximum contrast**

Blue and Green Autofluorescence

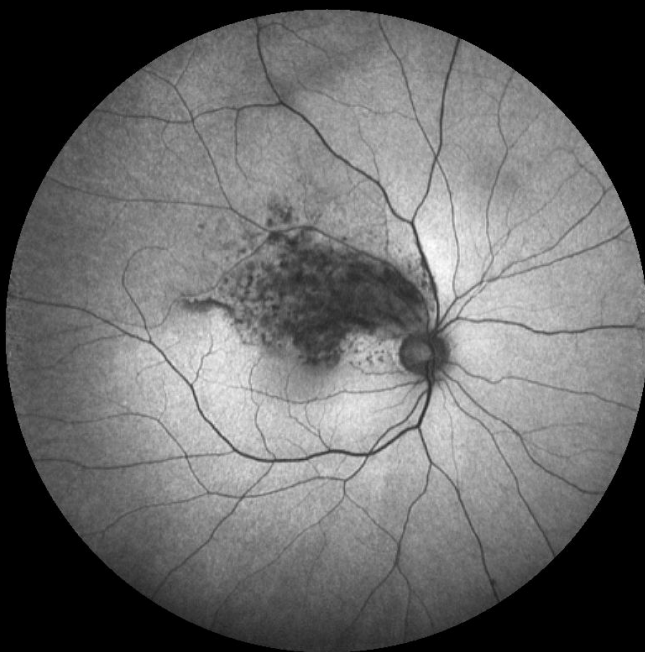
Fundus autofluorescence (AF) imaging is a rapid and noninvasive technique to evaluate retinal pigment epithelial (RPE) function, which includes Blue AF and Green AF.



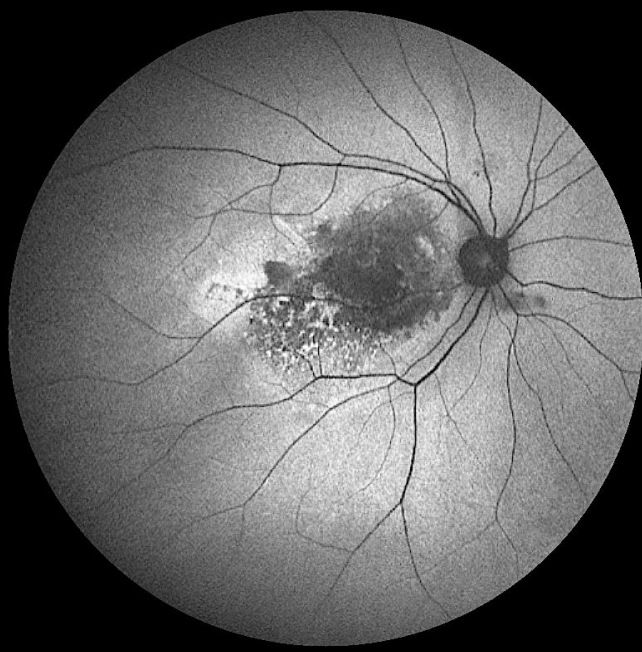
CSC(Blue AF)



CSC(Green AF)



BRVO



AMD

Up to 240° view

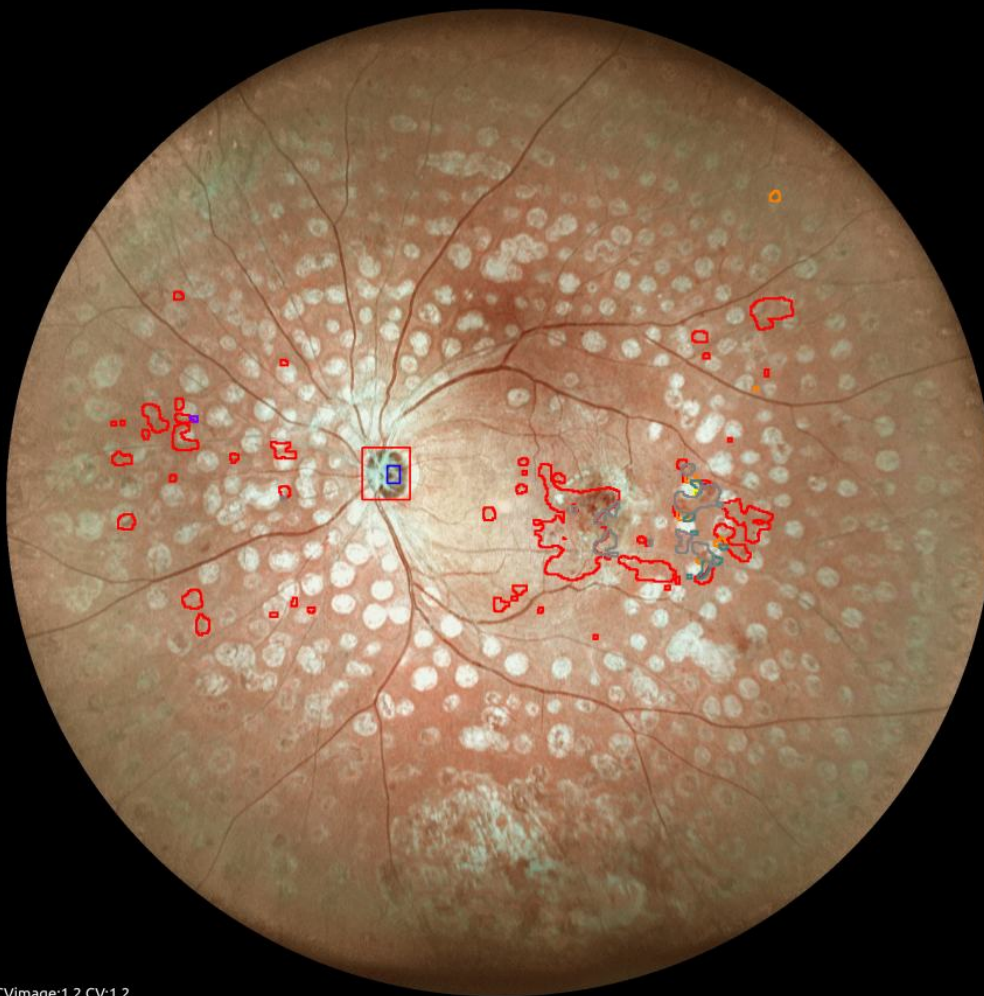
Capture two to nine photos and combine in a panorama view easily thanks to the fast and precise joystick control



Apollo is a perfect choice for Optometry setups, greatly reducing the rate of ungradable images in combination with a powerful software solution to support the evaluation process.

RETINA ASSISTANT

Apollo comes with a full featured review software, including the offline Retina Assistant, tools for comparison, measurements, annotations and export.



CVimage:1.2 CV:1.2
Diop:-1.7D

Select

Delete

Modify

Contrast to view

Display Result

Image Quality:99
C/D ratio: V0.33 H0.26

proliferative diabetic retinopathy (99.90%)
central retinal vein occlusion (0.20%)
vitreous opacity (0.17%)
nonproliferative diabetic retinopathy (0.17%)
vitreous hemorrhages (0.10%)
no abnormal (0.10%)

▼

■ Bleeding (52,11.45mm²)

■ Microangioma (6,0.32mm²)

■ Hard Exudates (7,0.31mm²)

■ Soft Exudates (1,0.01mm²)

■ NV or Fibrovascular Membrane (12,1.84mm²)

■ Retinal Vascular Abnormalities (1,0.02mm²)

- Unlimited use: no license required
- Offline operation: works without internet
- 20 different eye pathologies detection

Lossless optical zoom

One click switch Field of View to zoom into areas of interest



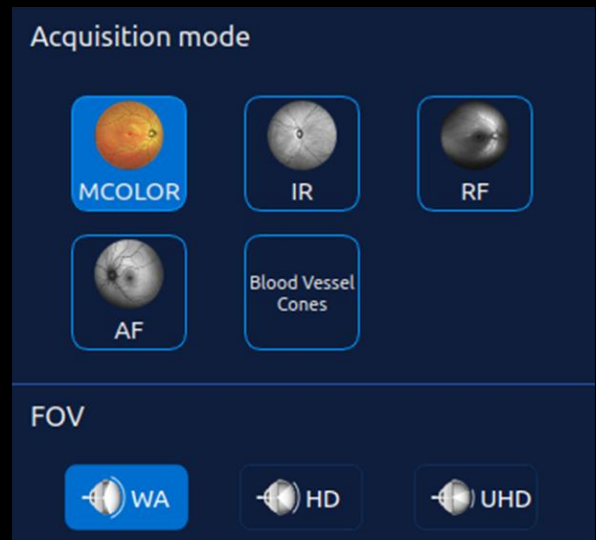
45° UHD



90° HD



135° WA



Full power to focus on the big view or search for the details

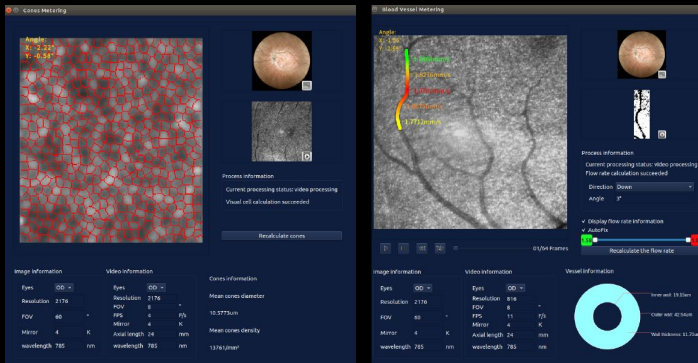
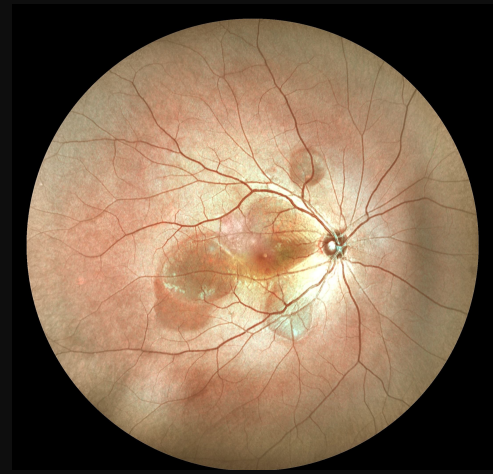
Apollo RGB advanced optical zoom feature offers three levels of magnification, from ultra-wide field (UWF) for comprehensive retina views to ultra-high definition (UHD) for precise detail visualization, empowering operators to capture every aspect of retinal health with unparalleled precision and clarity.

With this versatile zoom capability, users can ensure no detail goes unnoticed, facilitating comprehensive diagnosis and monitoring of ocular conditions.

PUPIL($\geq 2\text{mm}$)

Optimal photos even on really small pupils resulting on higher success rate of gradable images

Strong Confocality is derived from the Scanning Laser Technology and allows to penetrate easily thought cataract and eye opacities and to take images even on pupil size of 2mm and under unfavorable light conditions.

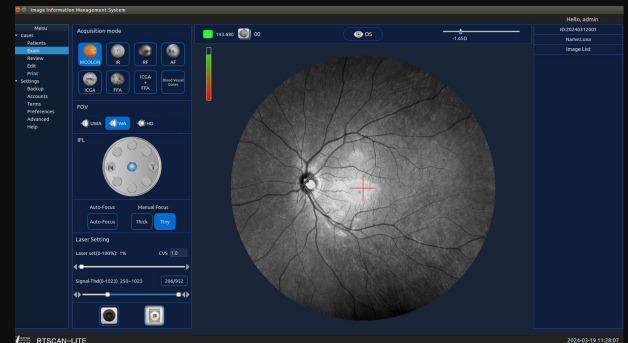


CELL AND BLOOD FLOW TOOL

- Cone cell density
- The average diameter of Cone cell
- Red blood cell flow velocity
- Vascular wall thickness and diameter

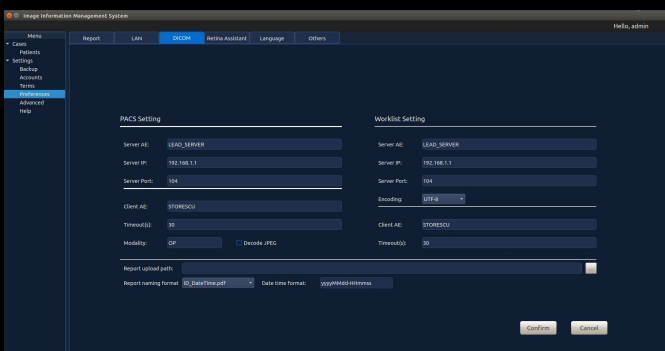
LIVE IR PREVIEW

The operator interface displays a live infrared (IR) image, enabling users to capture optimal photos effortlessly with a comprehensive control interface that is both user-friendly and fully-featured, ensuring seamless operation for superior image quality.



DICOM CONNECTIVITY INCLUDED

Seamless integration with DICOM protocol, featuring built-in support for worklists, ensuring effortless integration into existing medical imaging systems.



Apollo CSLO technical specifications

Imaging Modalities	Infrared - 785 nm Redfree - 520 nm Blue channel - 488 nm RGB Color Green Autofluorescence - 520 nm Blue Autofluorescence - 488 nm
Field of View (eye center)	One shot single capture Optical zoom 135° WA / 90° HD / 45° UHD
Automatic Montage	Up to 240° mosaic 2 to 9 images
Non Mydriatic	Minimum pupil 2mm
Resolution	5 microns
Fixation Targets	Internal 1 central and 8 peripheral fixation targets External flexible target
Diopter Compensation	-35D / +50D
Software Included	Patient management Retina review and annotation Multiple review stations DICOM compatible
Retina Assistant	19 pathologies detection Offline, no internet required Unlimited license use
Cells and blood flow tools	8° high magnification image Cone density count Blood velocity measurement
Hardware Included	PC computer Monitor Table (printer)
Power	Voltage: 100-240V~50-60Hz

Microclear is committed to the highest standard of retina imaging

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