



Specification

Image acquisition system

Acuisition modes	Non-mydriatic/mydriatic
	Anterior photography
	Red-free (optional)
	FFA (optional)
	FAF (optional)
Field of view	50°
Working distance	35mm
Minimum pupil size	≥3.3mm
Focus modes	Auto /manual
Exposure modes	Auto /manual
Operation	Auto /manual
Photography	SLR camera
Image resolution	24 megapixels
Diopter compensation	±25D
Fixation	External fixation/internal fixation
Autofocus assist light	Infrared LEDED
DICOM3.0	YES
Customization AI port	YES
Others	
Dimensions	380mm (L) x 550mm (W) x 475mm (H)
Weight	26.5kg
Power supply	100-240V 50/60Hz

Note: Specifications and design are subject to change without notice.



RetiCam 3100
Non-mydriatic Automatic Fundus Camera

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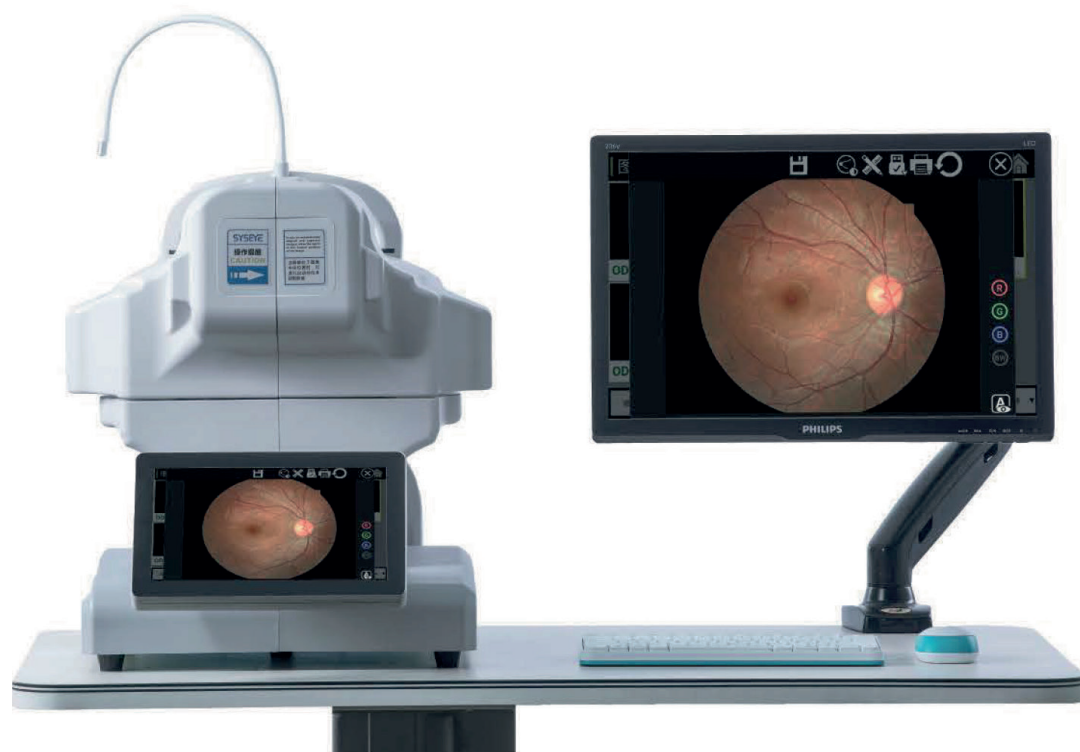
RetiCam 3100 Non-mydriatic automatic fundus camera

One-key click, picture acquired automatically

Automatic chinrest adjusting, pupil searching and alignment

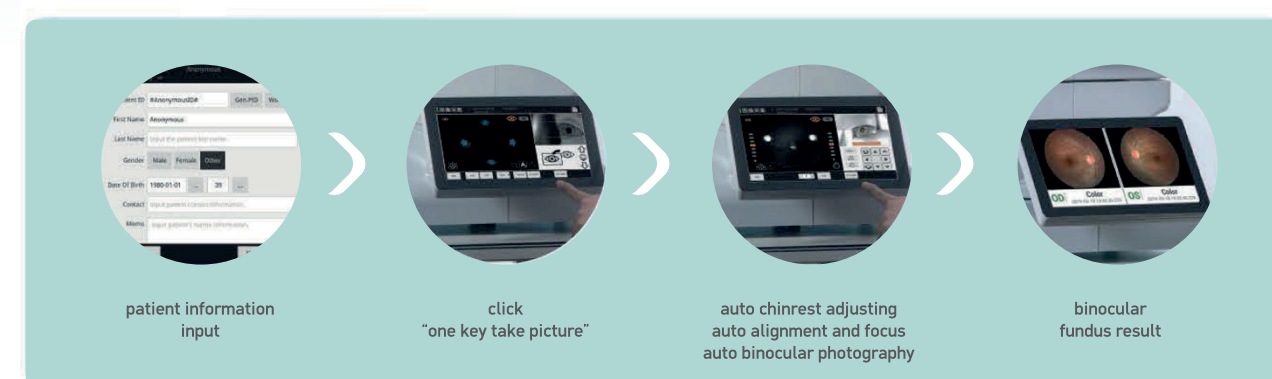
Non-mydriatic, automatic focus and exposure

DICOM and AI system are available

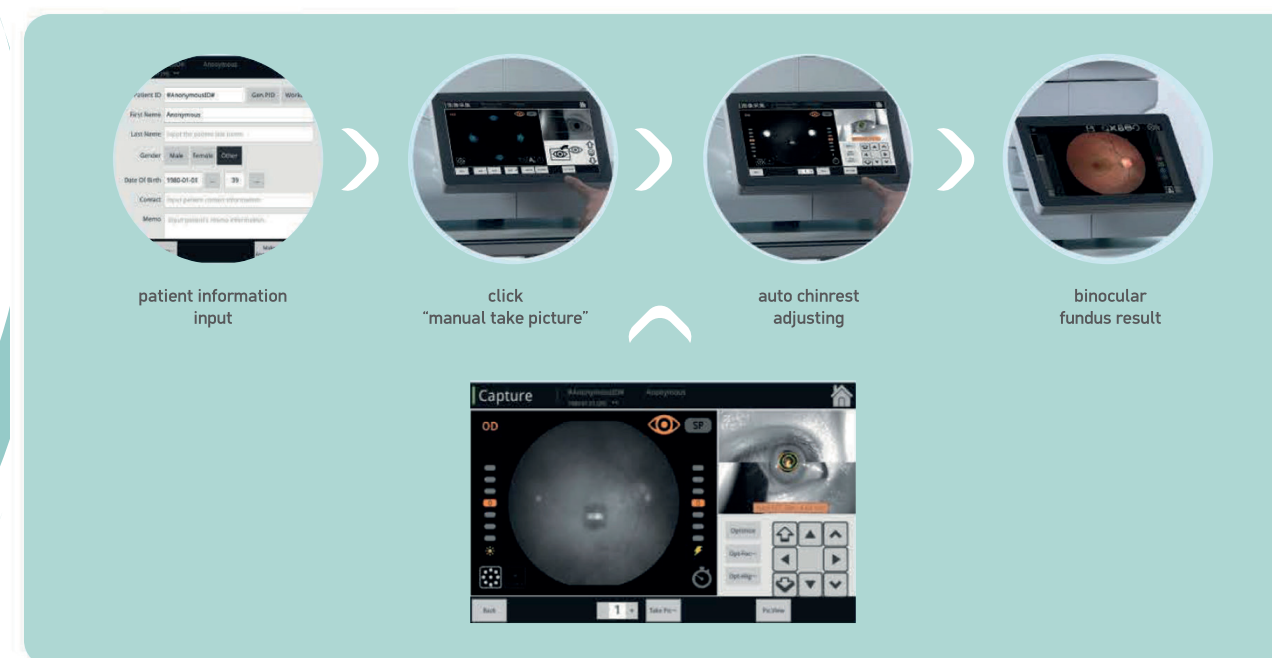


Intelligent operation-automatic/simple/fast

Automatic mode ➤ automatic alignment and focusing, getting both eye high-definition images by one key touch.

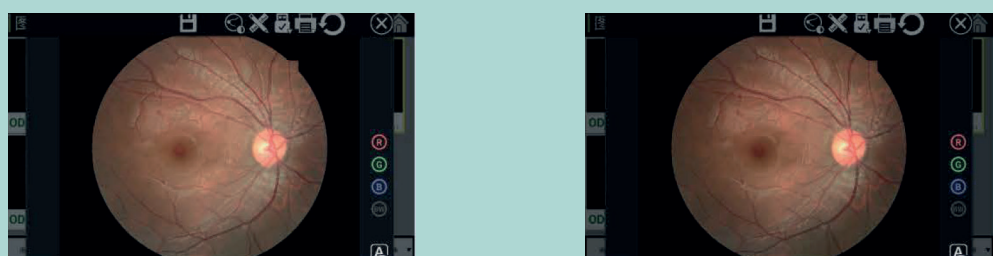


Manual mode ➤ In this case auto mode is not possible or special area photography, manual operation can help alignment, focus, flash, diopter compensation through screen touch



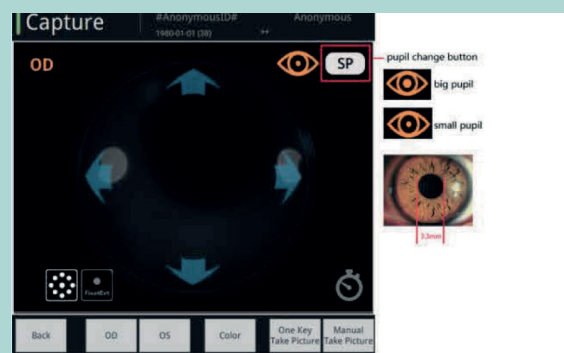
Soft lighting-advanced optical technology

Soft lighting reduces the constriction of pupil caused by the illumination. Satisfactory images can be obtained even in two consecutive exposures.



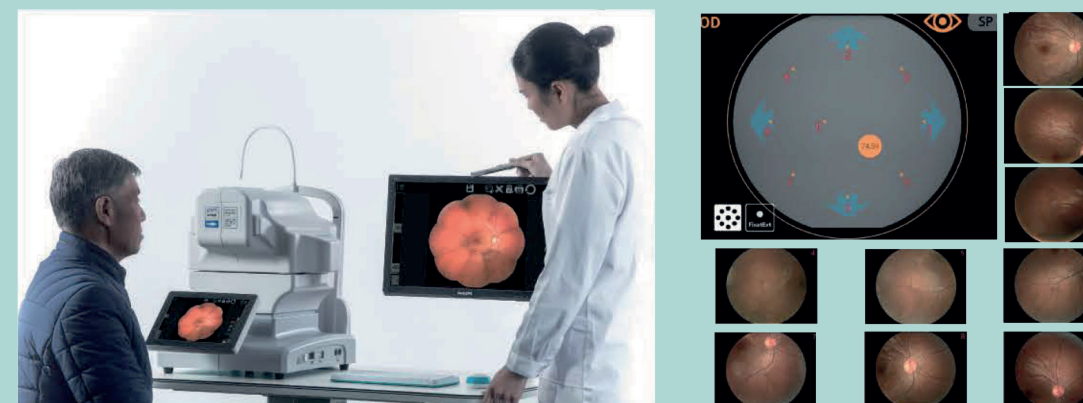
Non-mydriatic design - minimum pupil size of 3.3mm

The fundus image can be acquired for pupils as small as 3.3mm in Small Pupil Mode, which is appropriate for patients who have small pupils.



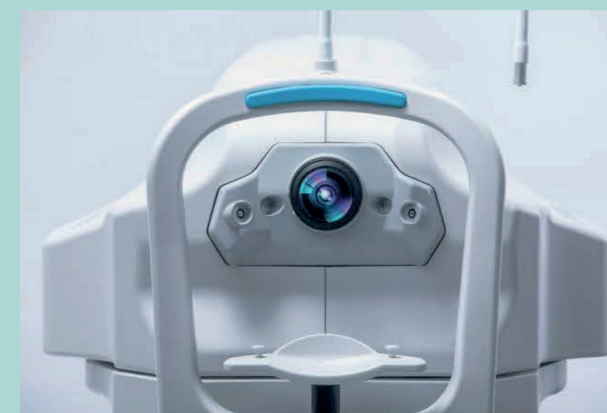
135°- wide field-9-position mosaic

Mosaic function can generate the fundus image up to 135° field of view from 9 images of 50° field width each. More fixation points are distributed between 9 internal fixations shown.



Dual-camera system-eyes of the device

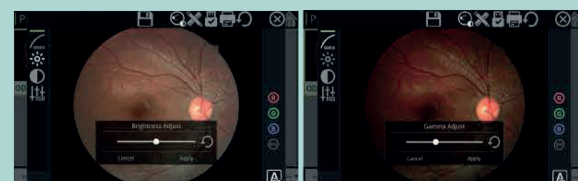
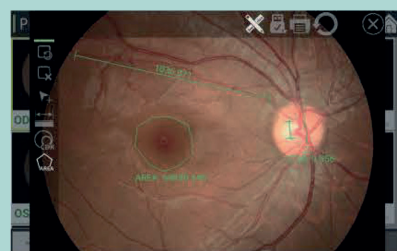
Dual-camera system is like eyes of the device. It searches and locates the pupil for fast and accurate autofocus.



Multifunctional software system

Powerful image processing function, acquire lesion area and cup disc ratio easily.

Gamma, contrast, brightness, color of image can be adjusted, according to doctor requirement



brightness



gamma



contrast



RGB

DICOM 3.0 LAN/USB expand port

Support DICOM agreement, connect hospital PACS system.

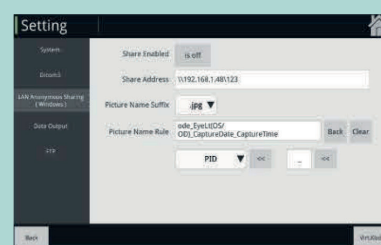
LAN sharing, any computer terminal can real-time display image taken by host.

USB expand storage.

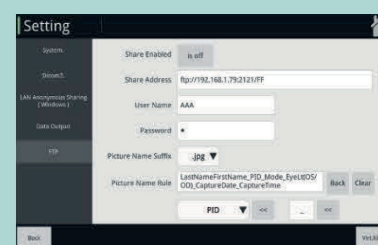
Remote transmission via FTP system.



DICOM 3.0



LAN sharing

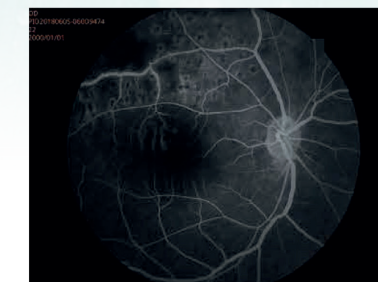


FTP

Upgraded configuration, more detail acquisition



red-free

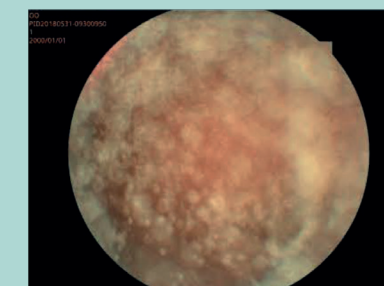
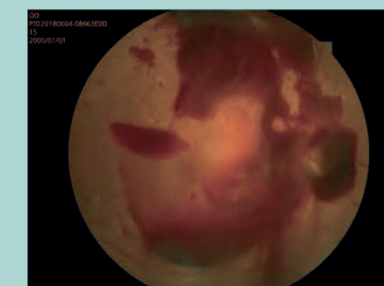


FFA first automatic one with FFA in the world



FAF first automatic one with FAF

Quality first, HD image



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