

RET-3100M

Non-mydrriatic Automatic Fundus Camera



Non-mydratiatic Automatic Fundus Camera

One-key click, picture
acquired automatically

Automatic chinrest adjusting,
pupil searching and
alignment

Non-mydratiatic, 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.



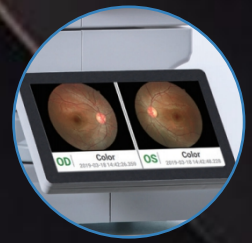
patient information input



click "one key take picture"



auto chinrest adjusting
auto alignment and focus
auto binocular photography



binocular fundus result

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



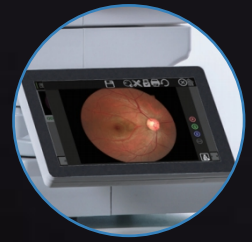
patient information input



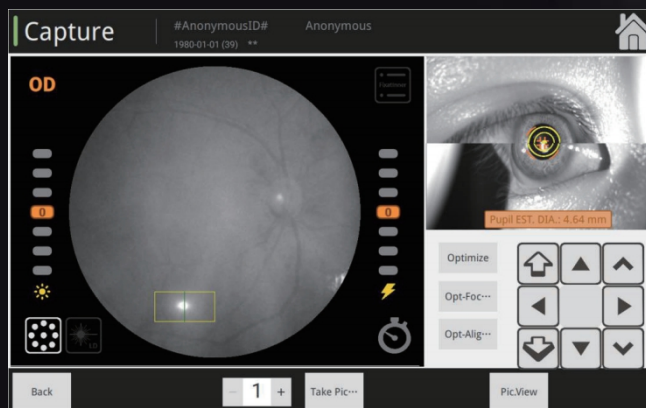
click "manual take picture"



manual alignment and focus



result



Soft lighting

advanced optical technology

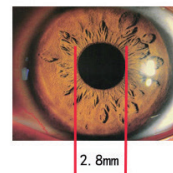
*Soft lighting reduces the constriction of pupil caused by the illumination. Satisfactory images can be obtained even in two consecutive exposures.



Non-mydriatic design

minimum pupil size of 2.8mm

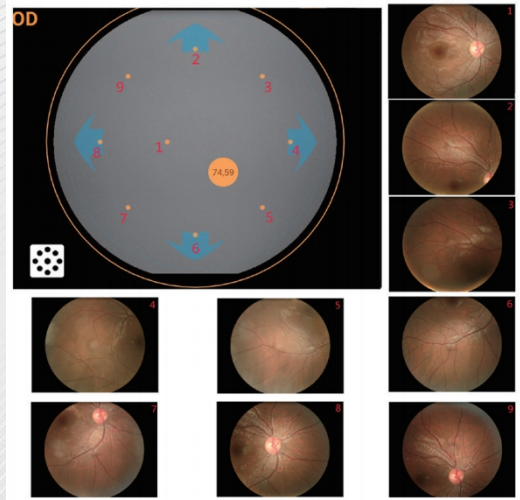
*The fundus image can be acquired for pupils as small as 2.8mm , which is appropriate for patients who have small pupils.



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

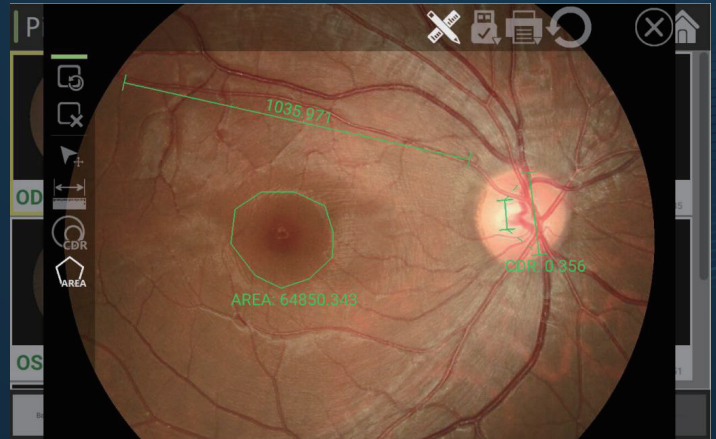
eyes of the device

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

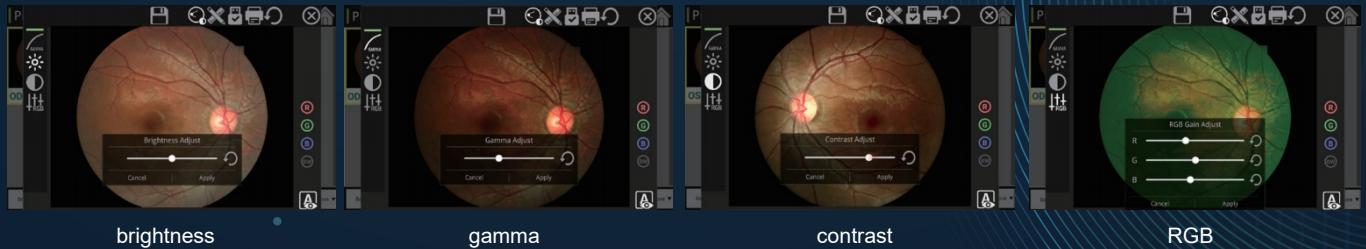


Multifunctional software system

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

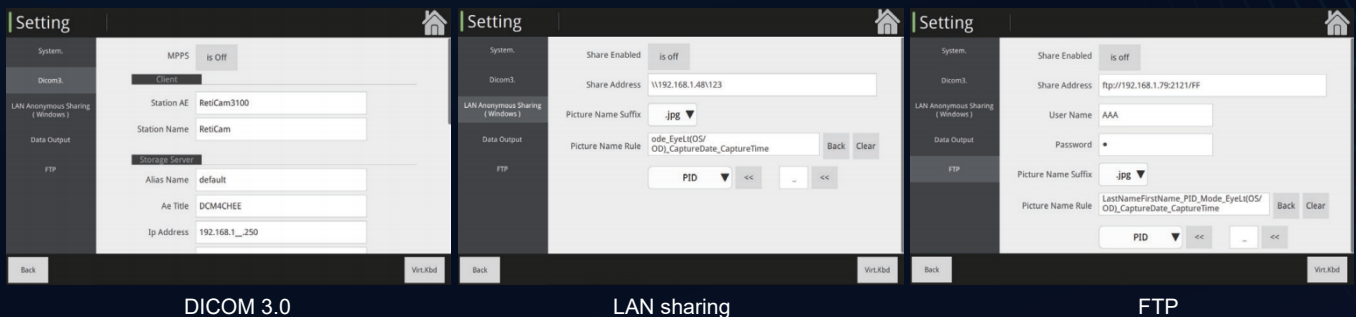


Gamma, contrast, brightness, color of image can be adjusted, according to doctor requirement,

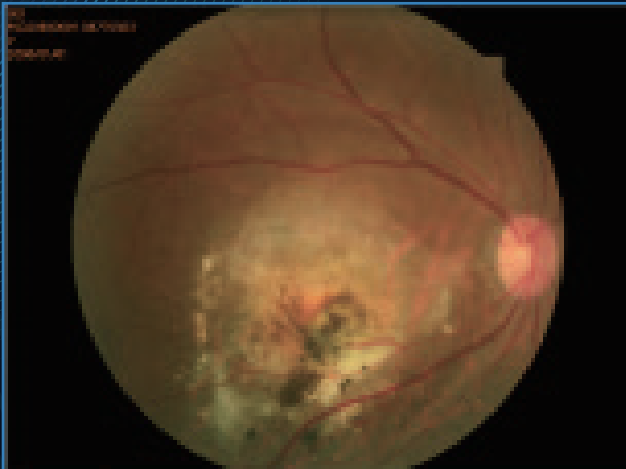
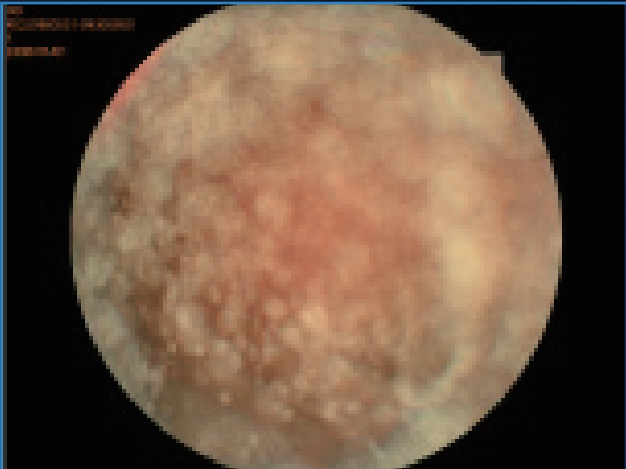
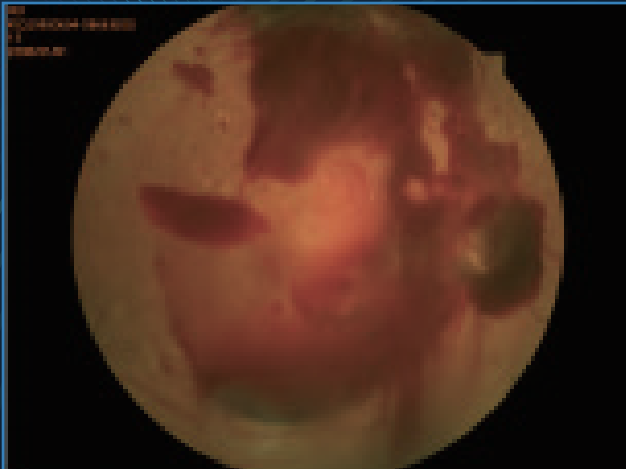


DICOM 3.0 LAN、USB expand port

- *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.



Quality first, HD image



SPECIFICATION

Image acquisition system	
Acquisition modes	Non-mydratiac/ mydratiac
Field of view	50°
Working distance	13mm
Minimum pupil size	≥2.8mm
Focus modes	Auto/manual
Exposure modes	Auto /manual
Operation	Auto /manual
Photography	SLR camera
Resolution	8megapixels
Diopter compensation	±25D
Fixation	Internal fixation
Autofocus assistance	Dual camera
DICOM 3.0	Yes
Customization AI port	Yes
Others	
Dimensions	280mm(L)x559mm(W)x460mm(H)
Weight	21kg
Power supply	100-240v 50/60HZ

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



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