

# Kestrel 3100 m

Non-mydriatic Automatic Fundus Camera



EMEA Official Representation



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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.



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



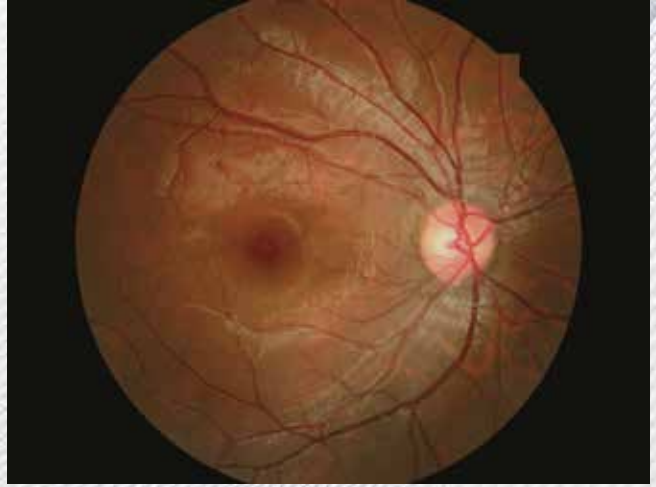
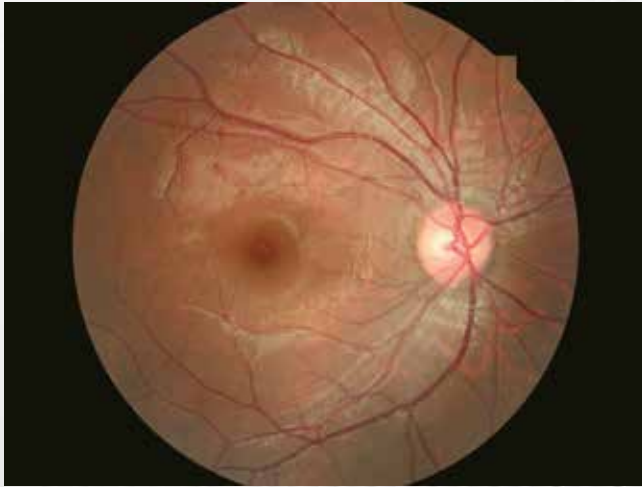
result



# Soft lighting

advanced optical technology

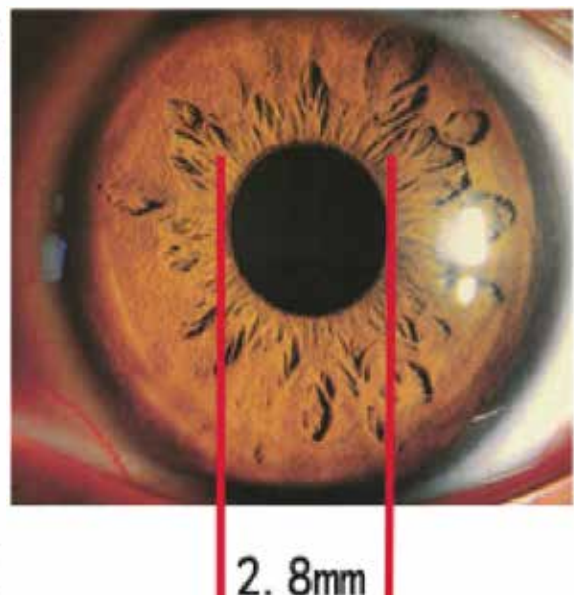
\*Soft lighting reduces the constriction of pupil caused by the illumination. Satisfactory images can be obtained even in two consecutive exposures.



# Non-mydriatic design

minimum pupil size of 2.8mm

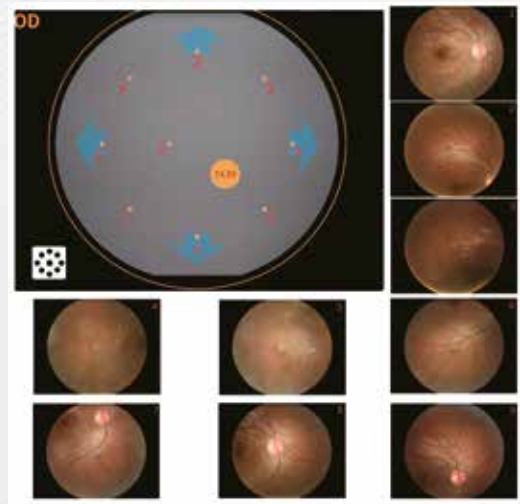
\*The fundus image can be acquired for pupils as small as 2.8mm , which is appropriate for patients who have small pupils.



# 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

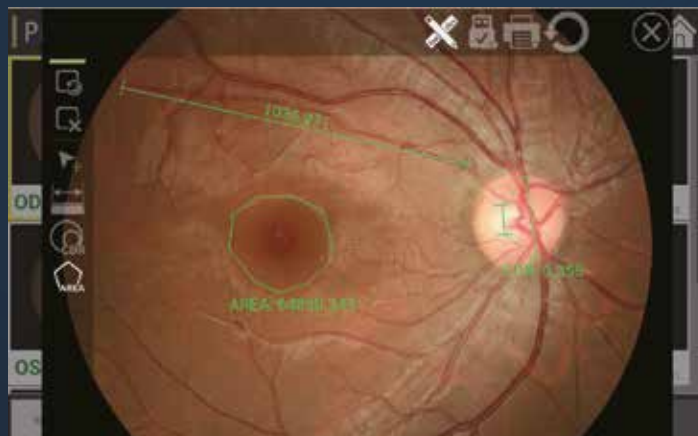
## eyes of the device

\*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,



brightness

gamma

contrast

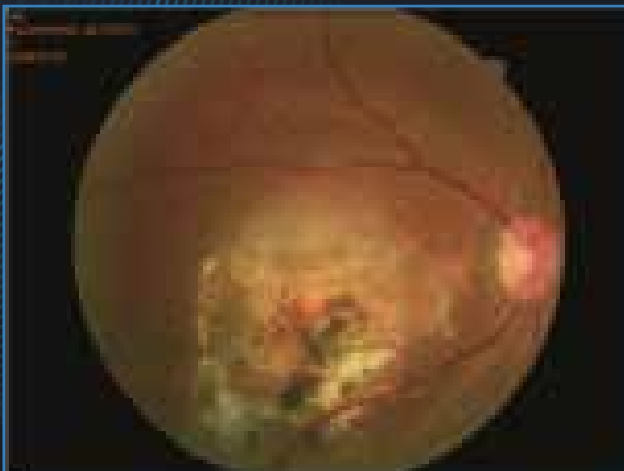
RGB

## 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.



## Quality first, HD image



# SPECIFICATION

| Image acquisition system |                            |
|--------------------------|----------------------------|
| Acquisition modes        | Non-mydriatic/ mydriatic   |
| 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               | 12megapixels               |
| 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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