

Paediatric ***Wide-field*** ***Ophthalmic Imaging System***



- 133° large field of view angle
- Compact size, easy to carry
- Wide range of uses

Model: SK-8000A/B



Paediatric Wide-field *Ophthalmic* Imaging System

“New Weapon” for Fundus Screening in Infants and Children



For **retinopathy of prematurity (ROP)**, familial exudative vitreoretinopathy (FEVR), retinoblastoma (RB), permanent primitive vitreous hyperplasia (PHPV), congenital cataracts, glaucoma, fundus hemorrhage, retinal hemorrhage, optic papillomatous abnormalities, optic disc dysplasia, choroidal defect, optic atrophy, and many other fundus diseases.

Core Technologies of SK-8000A/B

01

Seamless picture jigsaw to easily capture high-definition retinal panoramic images

02

Wide-angle imaging technology:
no distortion at the edges, more realistic picture quality

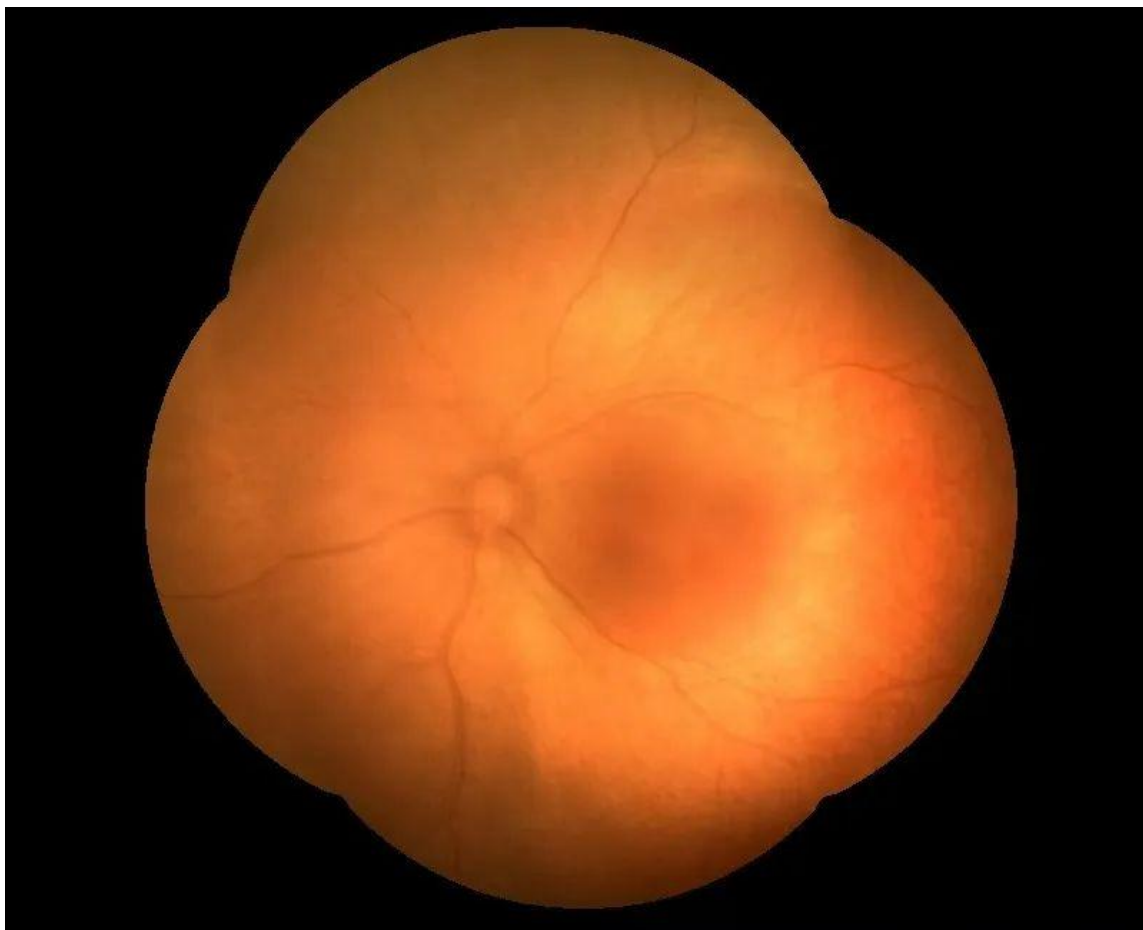


03

Fiber-optic one-piece imaging technology:
high light transmittance, sharp detail levels

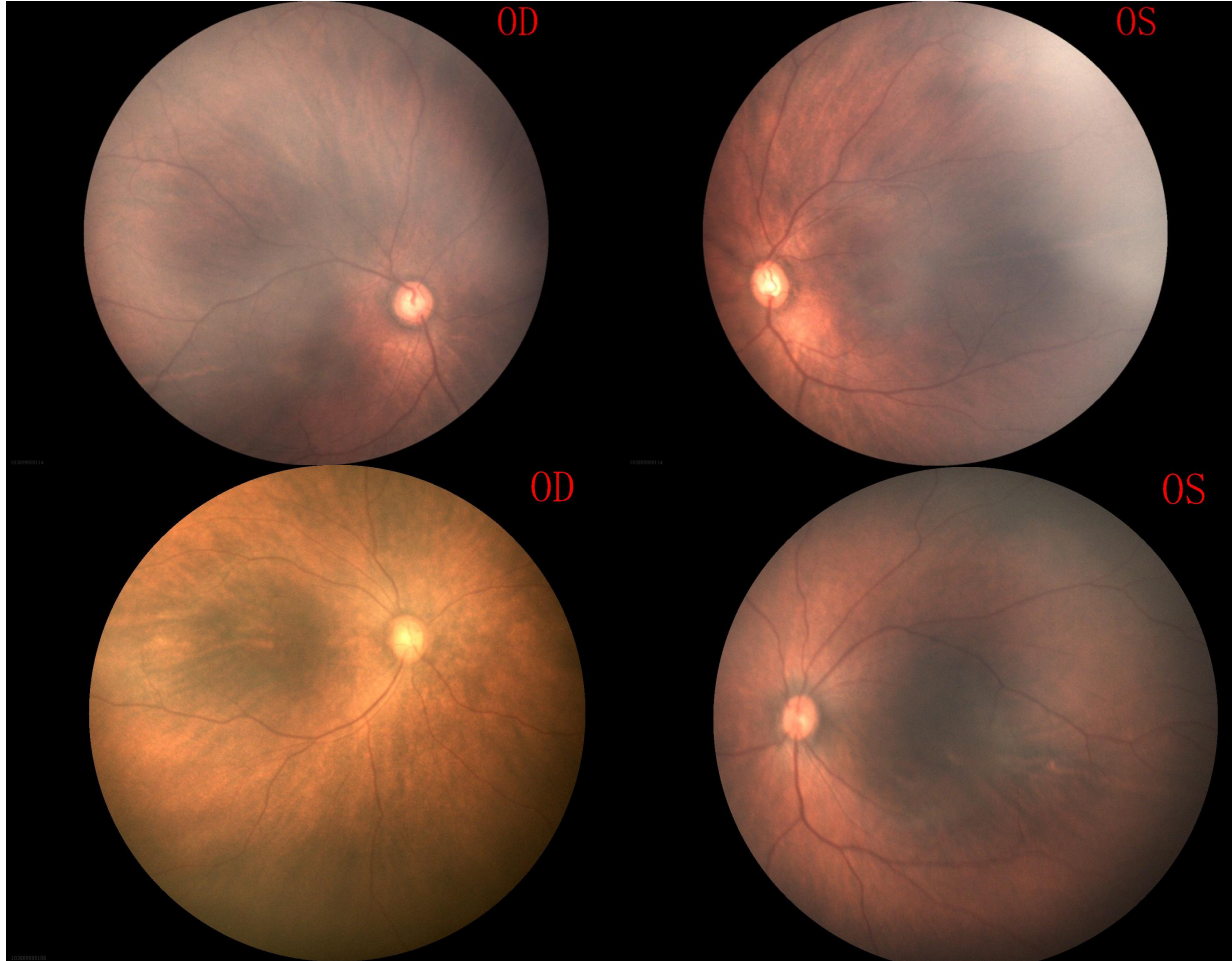
01

Seamless *Picture Jigsaw*



With its seamless jigsaw function, the Sunkingdom SK-8000 Pediatric Wide-Field Imaging System breaks through the limitations of the field of view of a single shot and realizes wide-area, **high-precision**, and **distortion-free panoramic** imaging of the retina, providing clinicians with a **complete** and **coherent** view of the fundus.

02 *Wide-angle Imaging Technology*

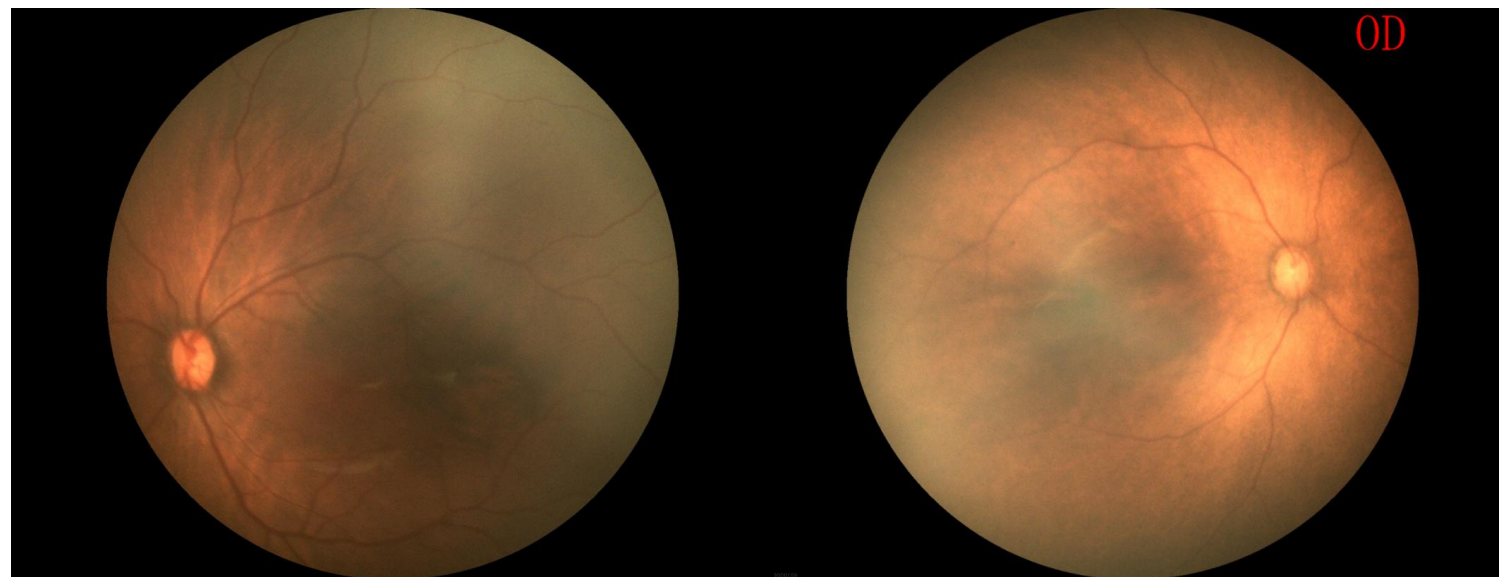


Adoption of aspherical lens group and adaptive optical algorithms, in the ultra-wide viewing angle can still **maintain the center and edge of the picture quality** is consistent, to eliminate the traditional wide-angle lens aberration problem, to ensure that the shooting structure of the true restoration of the diagnosis to provide a reliable basis.

03

Fiber-optic One-piece Imaging Technology

Innovative integration of ultra-fine fiber optic bundles and CMOS sensors **improves light transmission efficiency by 40%** and **significantly reduces image noise**. Combined with intelligent noise reduction algorithms, high contrast images can be presented even in low light environments, and subtle lesions (e.g. retinal hemorrhages, microangiomas) can be clearly identified.



Why Choose *Sunkingdom SK-8000A/B*?

1

Wide
Area
Visual
Range

3

Live
Imaging

5

Different
Lens Sizes
Available

2

High
Quality
Image
Presentation

4

Easy to
Operate

6

Fluorescence
Contrast
Function

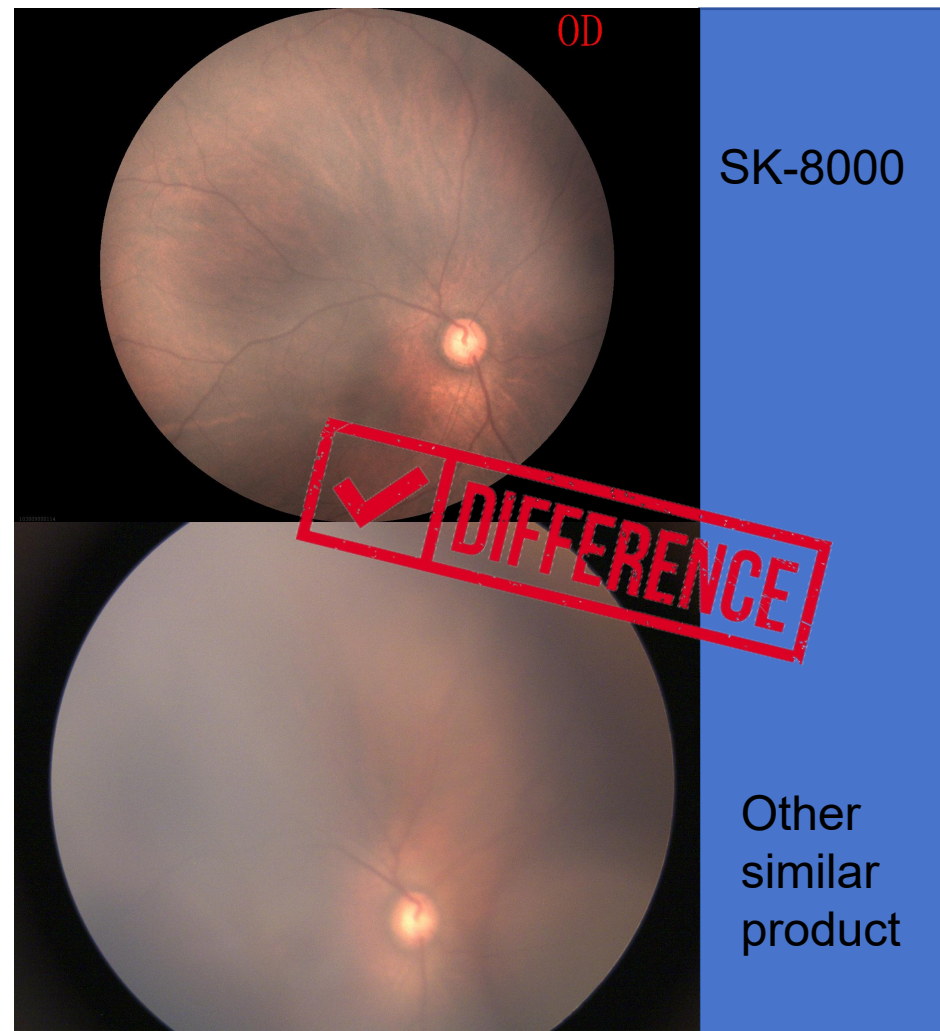
01

Wide Area *Visual Range*



133 ° large field of view angle, a single shot to obtain more fundus information, providing clear images of the fundus, to help doctors accurately diagnose a variety of fundus diseases

02 High Quality Image Presentation



SK-8000 Provide real and detailed fundus images, the original image output is not compressed, **clear and non-destructive**, help doctors to identify small lesions, avoid missed diagnosis or misdiagnosis.

03

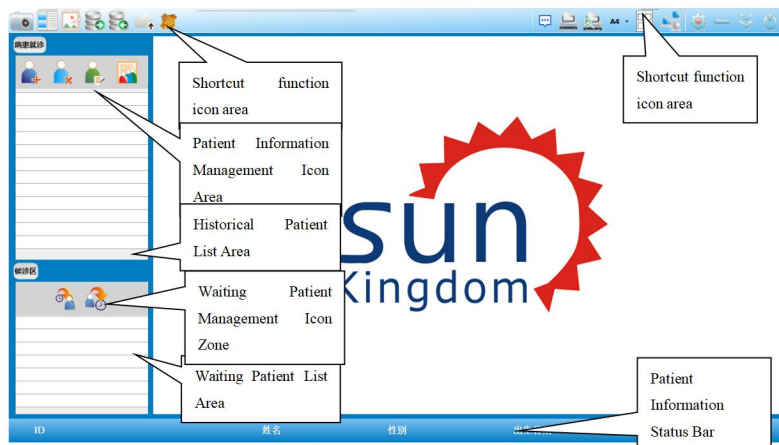
Live Imaging



Using wired connection, accurate image capture, no focus delay phenomenon, truly achieve what you see is what you get, providing doctors with efficient and stable imaging experience.

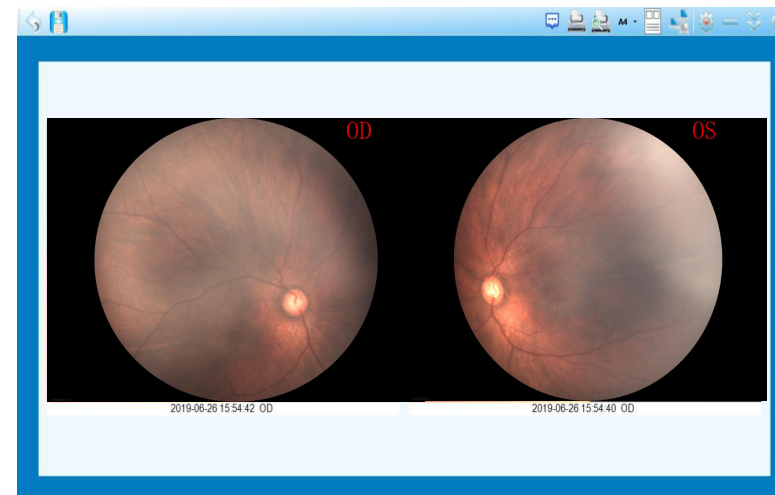
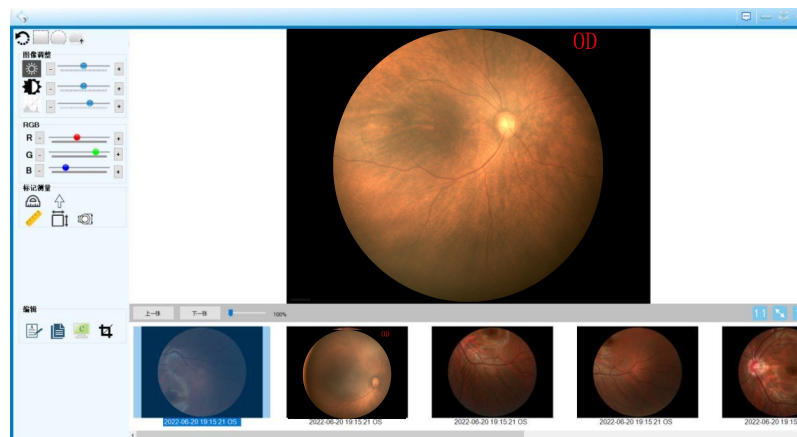
04 *Easy to Operate*

Simple System



- Convenient and fast system

- Images can be annotated freely



- Historical comparison of images to check the progression of the disease

04 *Easy to Operate*



- Trolley mode
- Portable mode, easy to directly connect with laptop, can be applied to the bedside and ward

05 *Different Lens Sizes Available*

----- Meet The Needs of All-age Screening



Funduscopy examination in Very-preterm infants

Corrected gestational age ≤ 32 weeks preterm infant examination or weight < 2200g

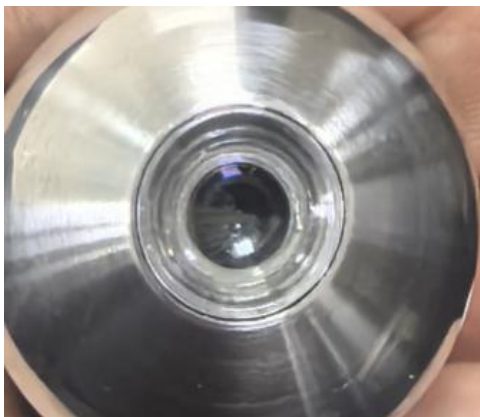
The examinee's cornea is small and the small lens makes it easier to contact the examinee's cornea. The peripheral fundus can be observed with a slight rotation of the instrument.



Newborn examination

Suitable for newborn examinations up to half a year of age

Suitable for most neonatal corneal conditions.



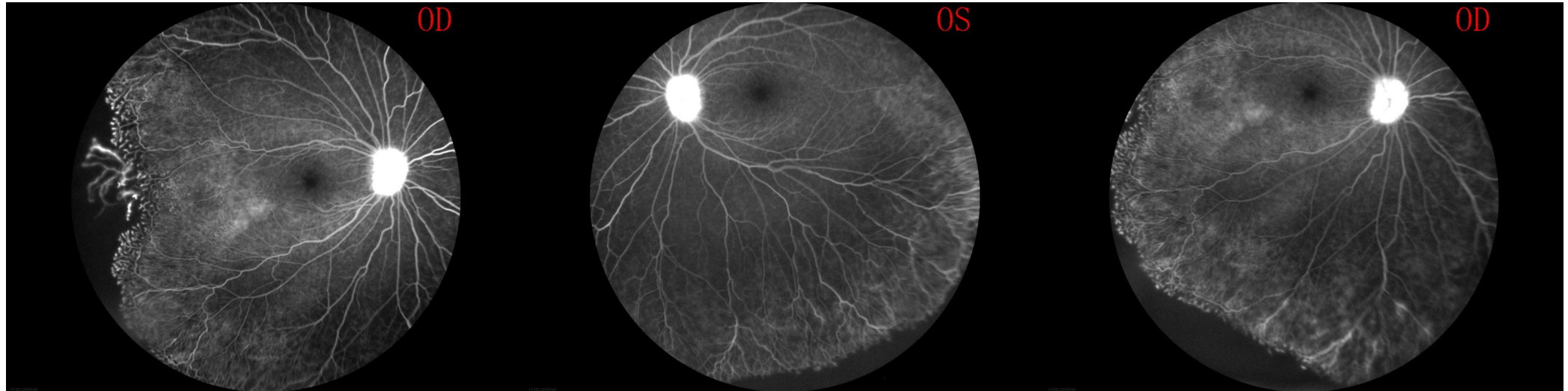
Younger children examination

Funduscopy examination in pediatric patients older than half a year

The examinee's cornea is large, the lens facilitates fixation of the subject's eye position, and the image has no visible aperture.

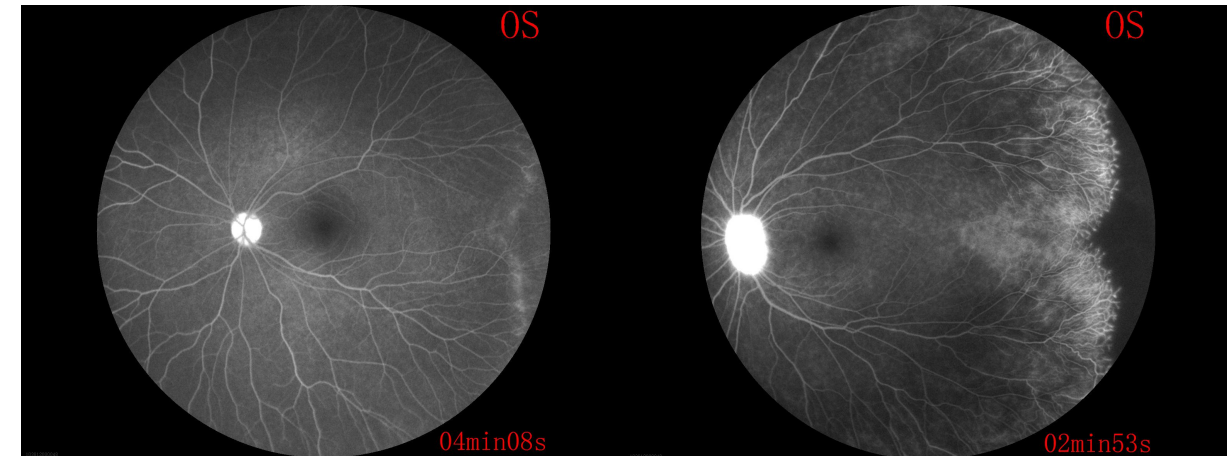
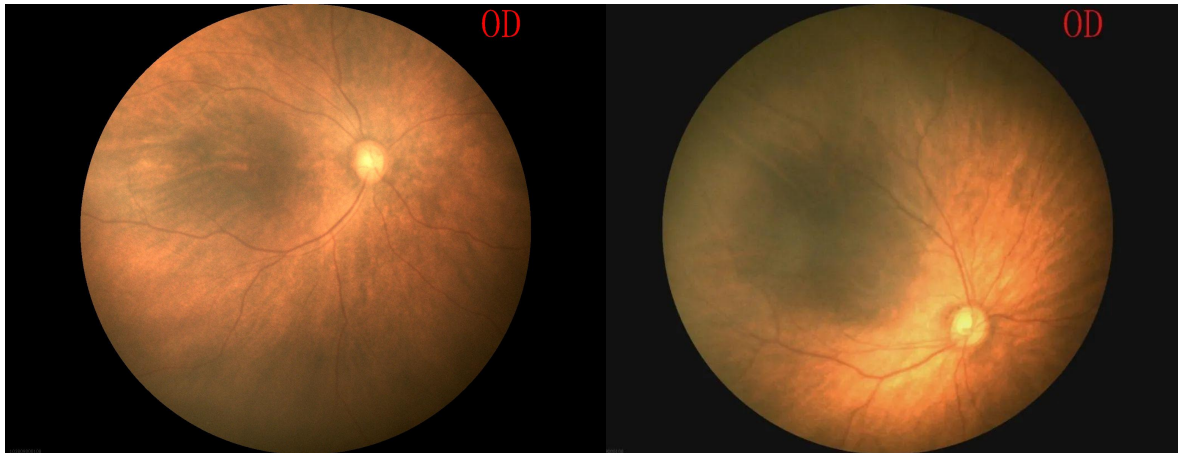
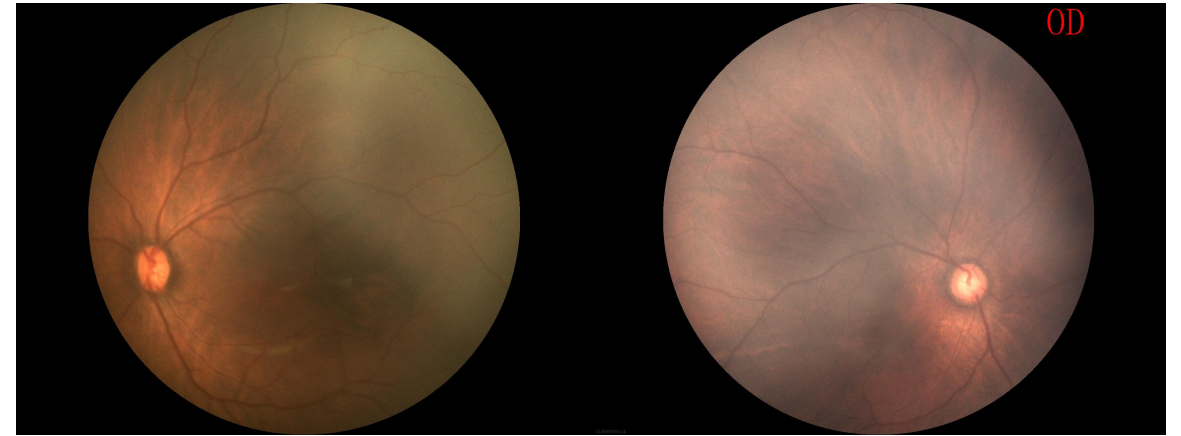
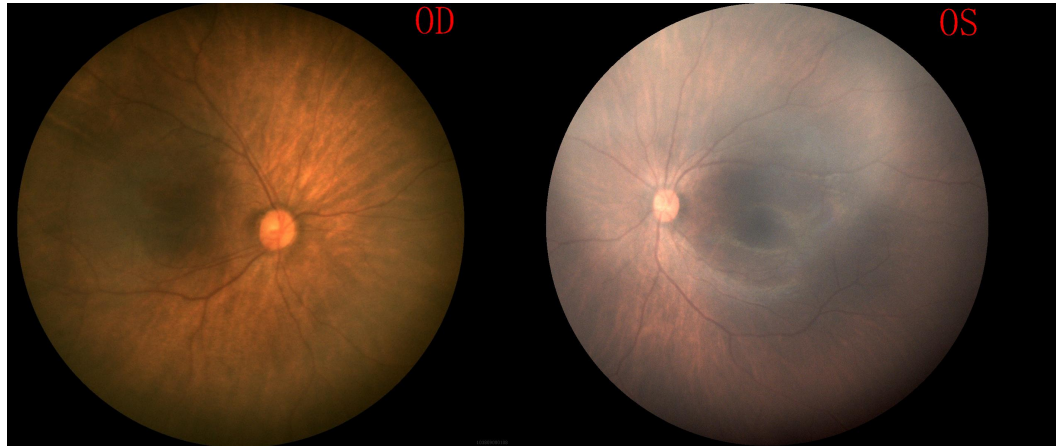
For the physiological characteristics of newborns and infants of different ages, three lens sets are available to ensure the perfect balance of imaging quality and patient comfort.

06 Fundus Fluorescein Angiography



- Fundus fluorescein angiography (FFA) provides a solution for the diagnosis of special diseases and precise laser treatment.
- Directly reflect the physiological and pathological conditions of living retinal blood vessels (large blood vessels to capillaries), improve the visibility and clarity of fundus blood vessels, reflect the fundus diseases that can not be seen in color fundus imaging, and find out the location and nature of the lesions.

Cases of Actual Photographs



Technical Data

Basic Parameters		
Model	SK-8000A	SK-8000B
Field of view	133 degrees	
Minimum pupil	6mm	
Medical grade	professional CMOS collector	
Pixels	≥ 8 million	
Light source adjustment	Infinite dimming	
Lighting method	Built in integrated optical fiber	
Shooting method	Foot shooting, software shooting	
Shooting mode	Color photography	Color photography+fluorescence contrast
Focusing method	Manual focus	Autofocus
Lesion markers	Manual identification	Automatic identification
Interface	USB, DICOM	

ChongQing Sunkingdom Medical Instrument Co., Ltd.

Head Office: Room 12, Floor 10, Block A of China
Resource Center, Jiulongpo District, Chongqing
40050, China

Tel:+86 23 68643990

Whatsapp:18602360685

Fax:+86 23 68102793

E-mail:sales@cqsunkingdom.com

URL:en.cqsunkingdom.com

