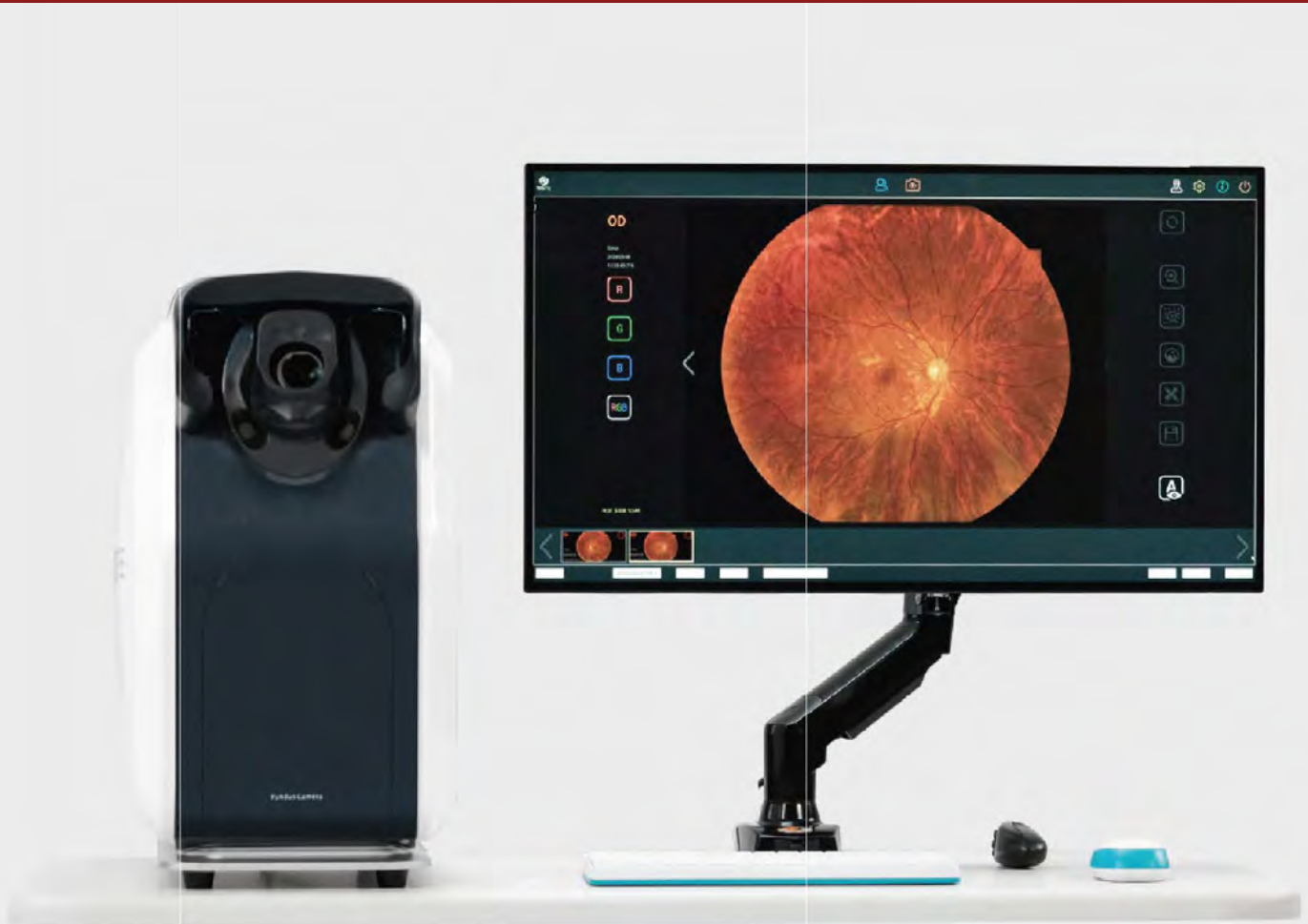# OptiWide 176

True Colour

Ultra Wide-Field
Fundus Camera

Ultra Wide-Field
Fundus Camera

Revolutionise Retinal Imaging with Optiwide 176 Ultra Wide-Field Fundus Camera

Key Features

One-Touch Operation

Exclusive world-class technology: capture high-quality binocular images automatically - all with a single button.

Non-Mydriatic Imaging

No need for dilation. The system automatically detects and focuses through the pupil, making examinations faster and more comfortable for patients.

Fully Automated Adjustment

Enjoy seamless imaging with automatic focus, exposure, alignment, and working distance control - no manual input required.

Ultra-Wide HD Imaging

Capture a 176° wide-field, high-resolution image in one shot. Don't miss hidden retinal pathologies often beyond the reach of standard cameras.
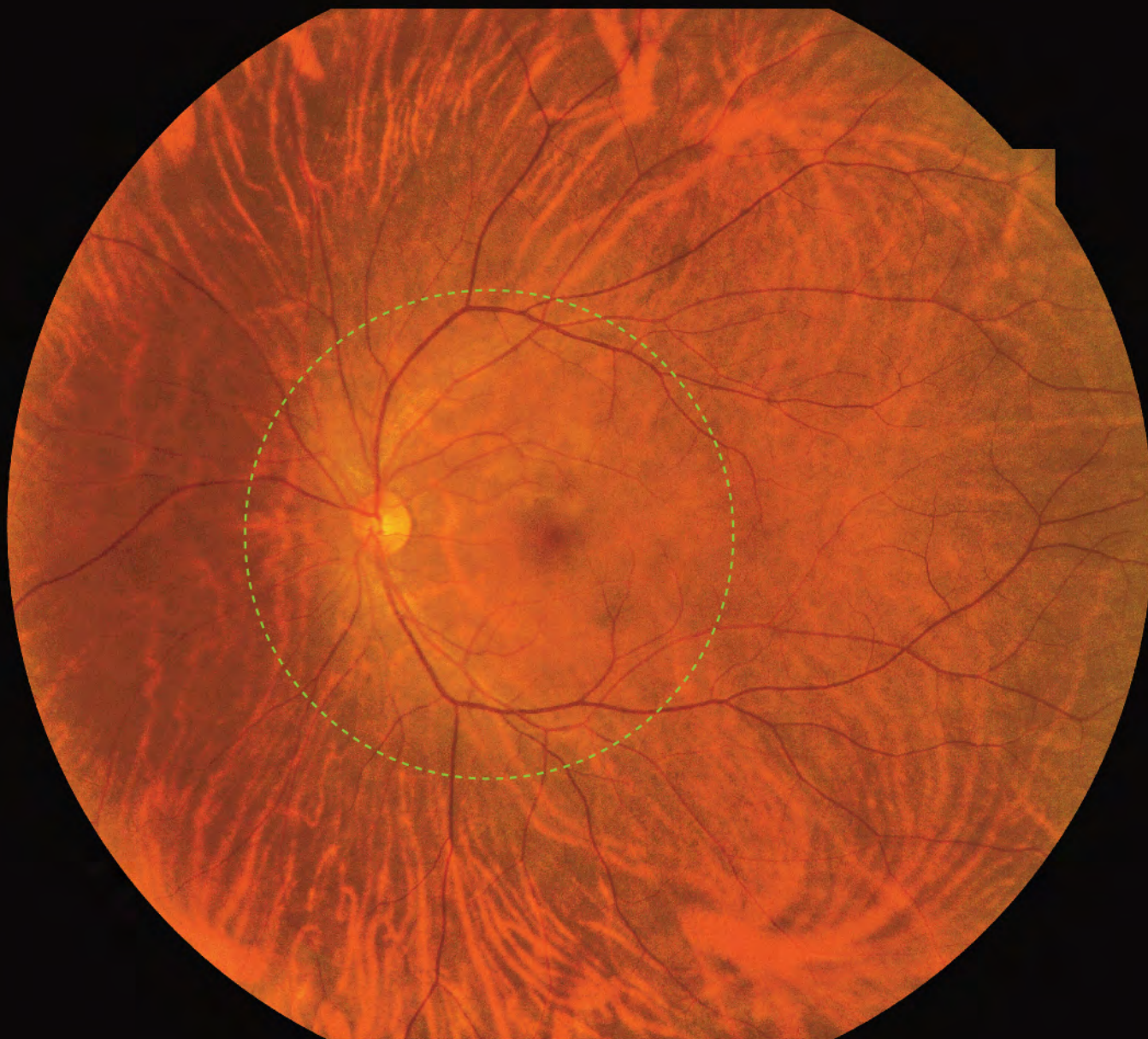
True Colour Accuracy

Experience full-spectrum, true-colour imaging. Deliver clearer, more accurate diagnoses with natural, lifelike fundus visuals.

True Colour

176° ultra wide

Capture More • Diagnose Smarter • Protect Better

Never Seen Before

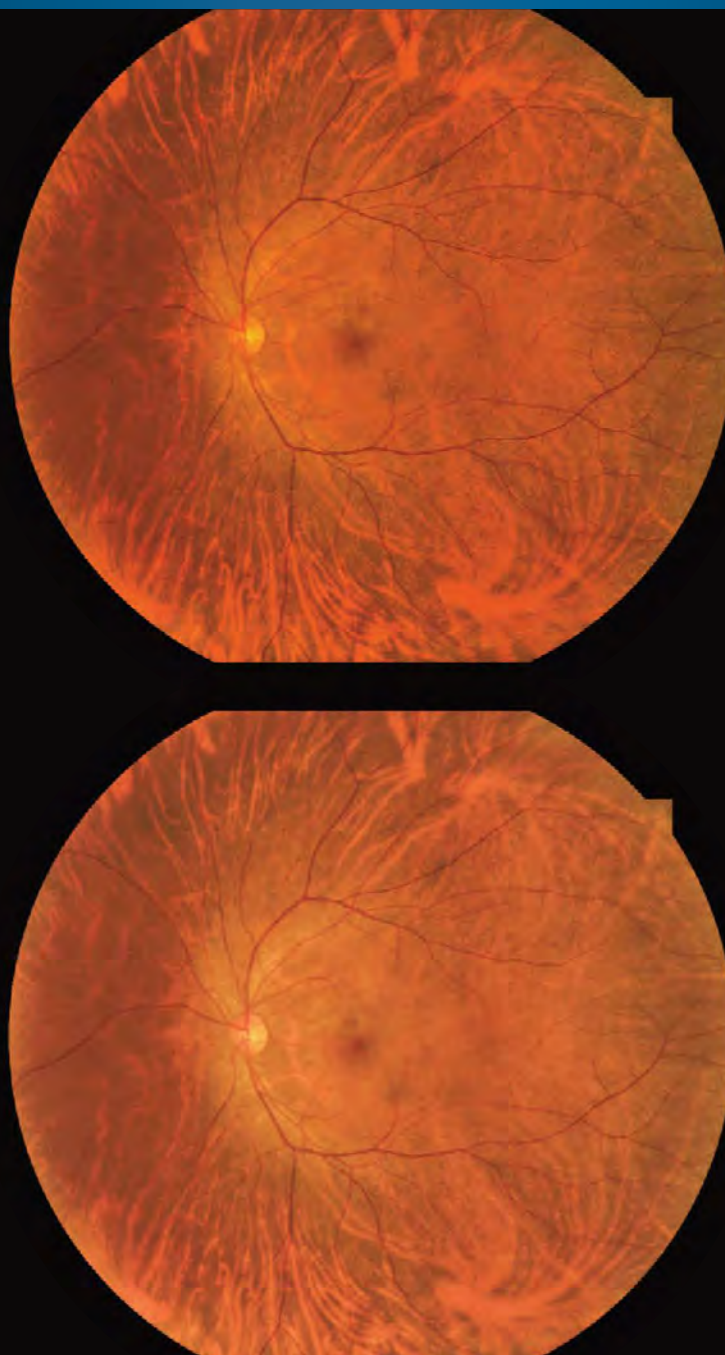## Single true colour imaging field up to 176°
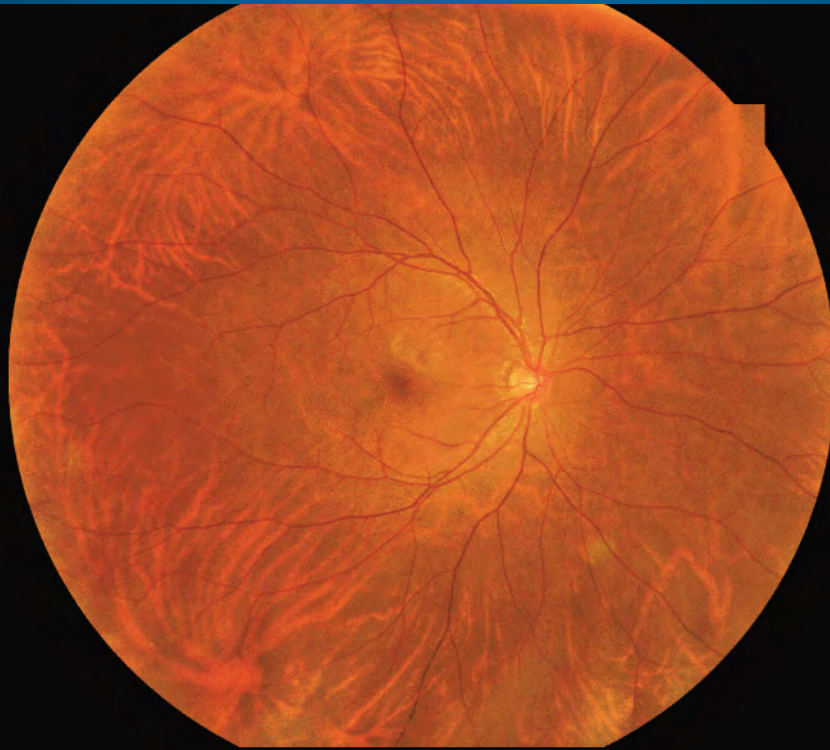
Soft Exposure

Integrating advanced optical technology

Innovative and advanced optical design, continuously capturing images of the same patient's fundus, with consistent image quality.
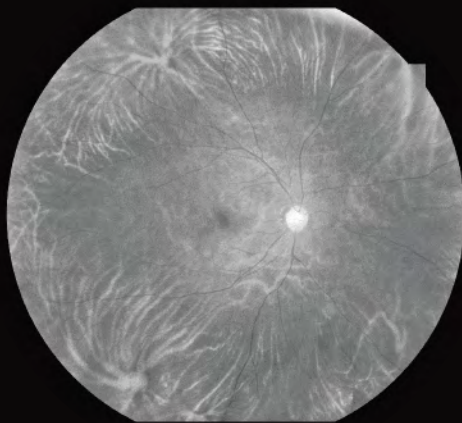
Utilises soft exposure technology to reduce pupil shrinkage after exposure and enhance patient comfort.
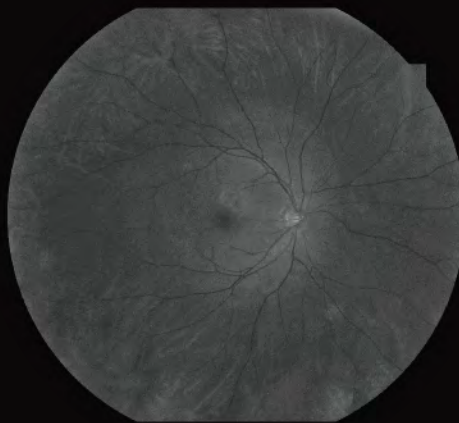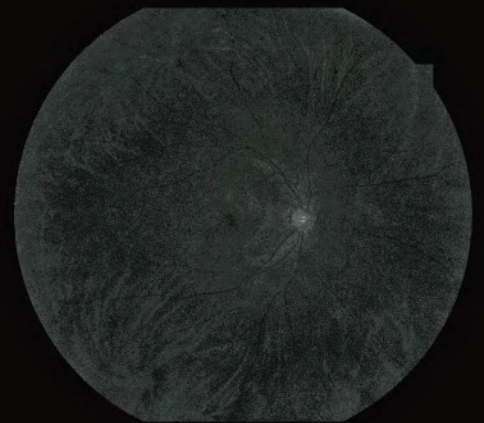
LED True Colour & HD Resolution
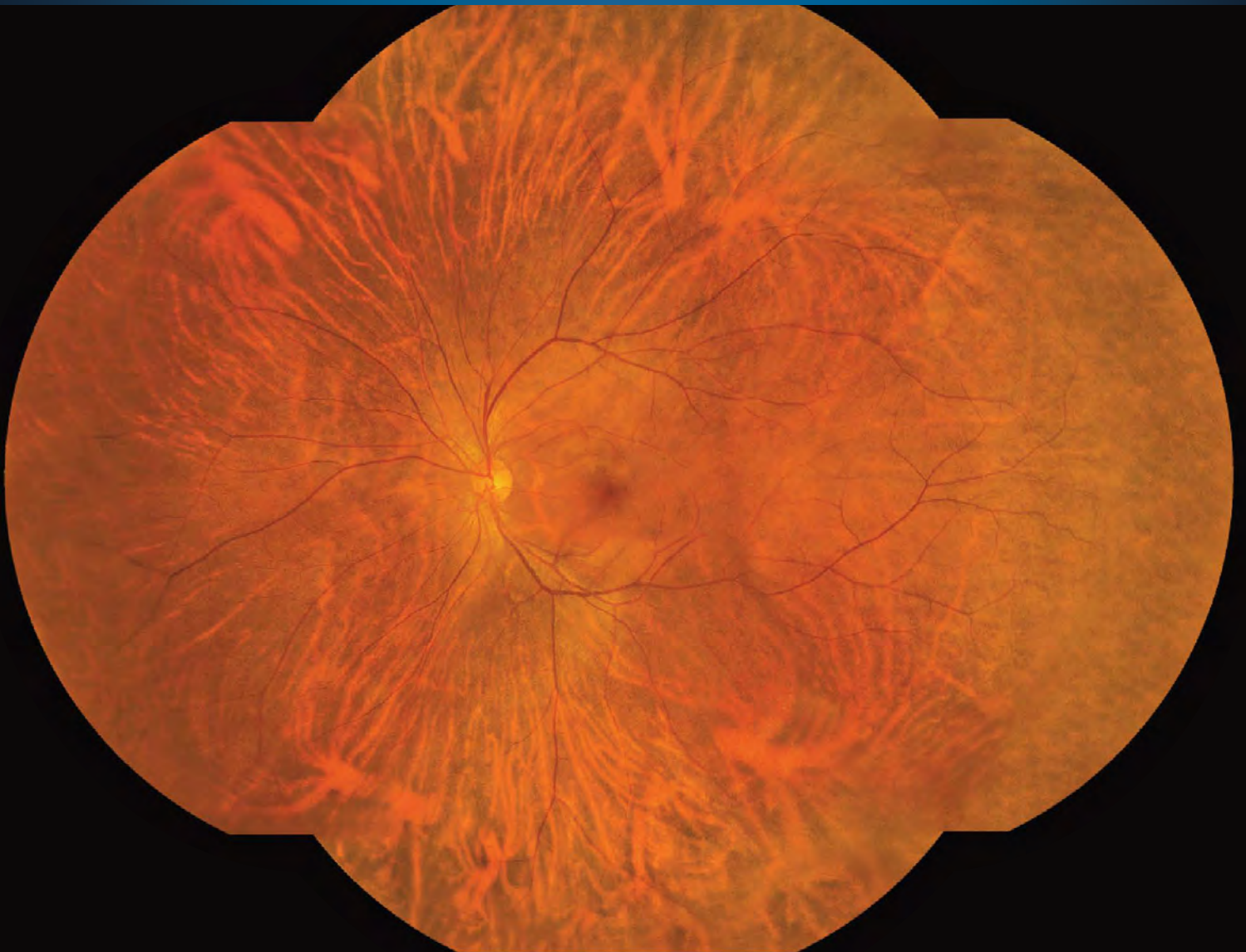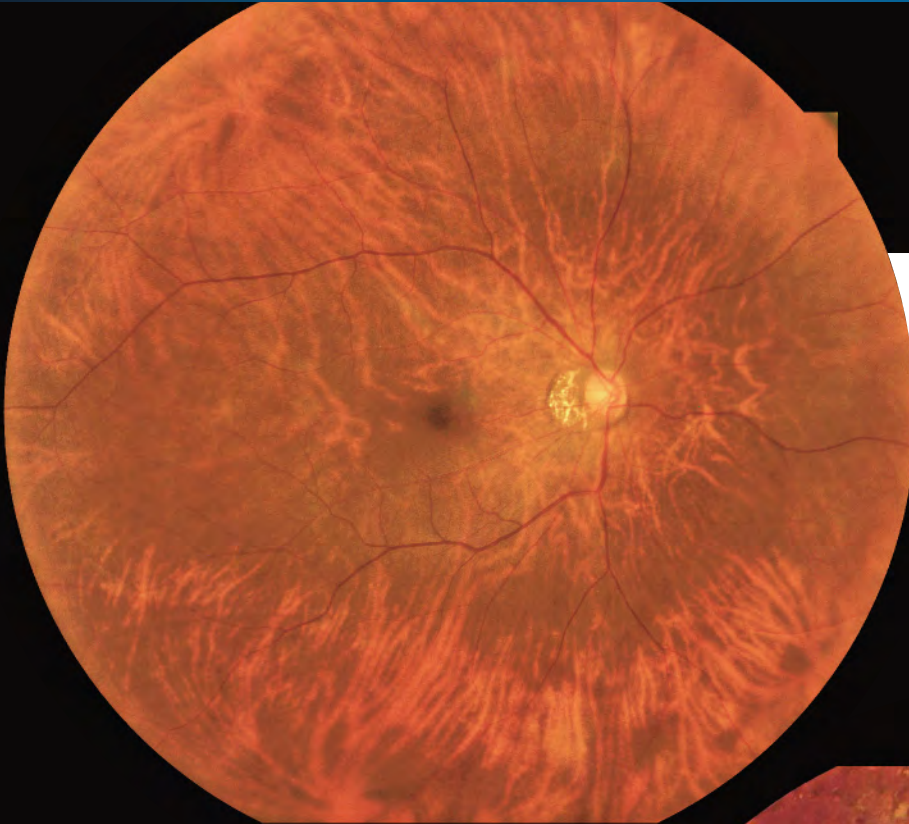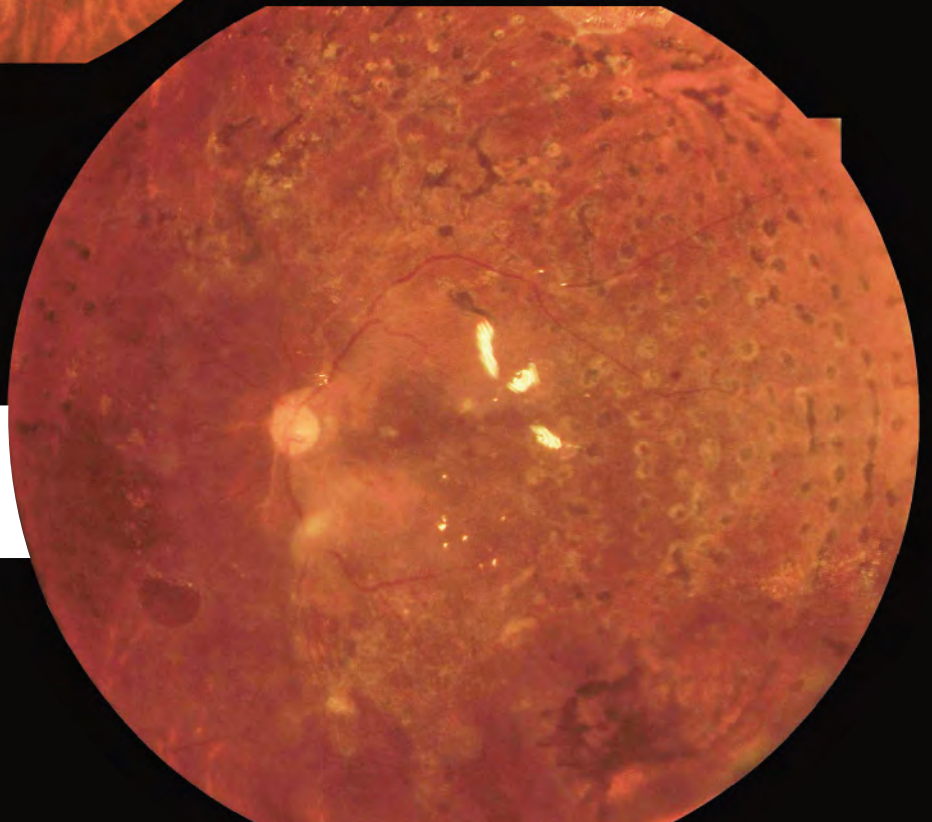

Continuous spectrum, true colour image.

Automatic mosaic to present a whole fundus image.
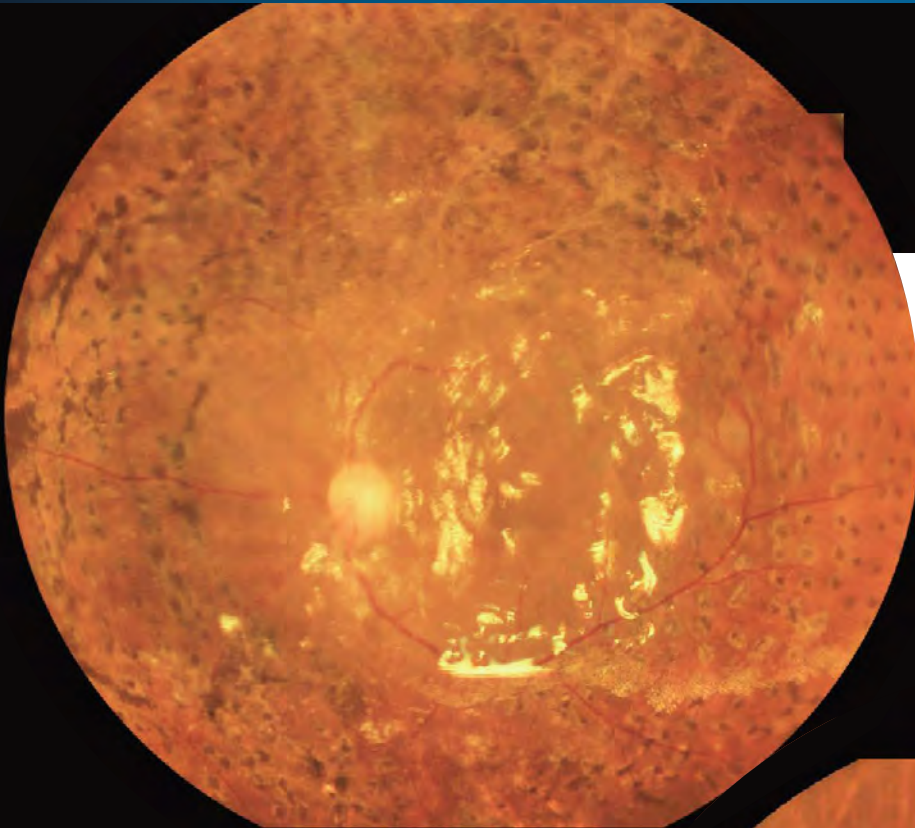
High-Definition Cases, Quality First

Choroidal atrophy arc on the nasal side of the optic disc in the right eye.

Fundus bleeding in the left eye after retinal laser photocoagulation in the left eye.

True Colour Restoration, Accurate Diagnosis

Silicone oil filling status of the left eye following retinal laser photocoagulation of the left eye.

Deep retinal haemorrhage in left eye.

AI Intelligent System

Highly precise positioning for rapid acquisition of fundus images

An intelligent system that locates fundus position quickly, improves focus speed, saves inspection time and enhances work efficiency for smoother, formal phrasing.

Powerful multifunctional software analysis system

Powerful image processing functions for easy assessment of lesion areas and cup-to-disc ratio.
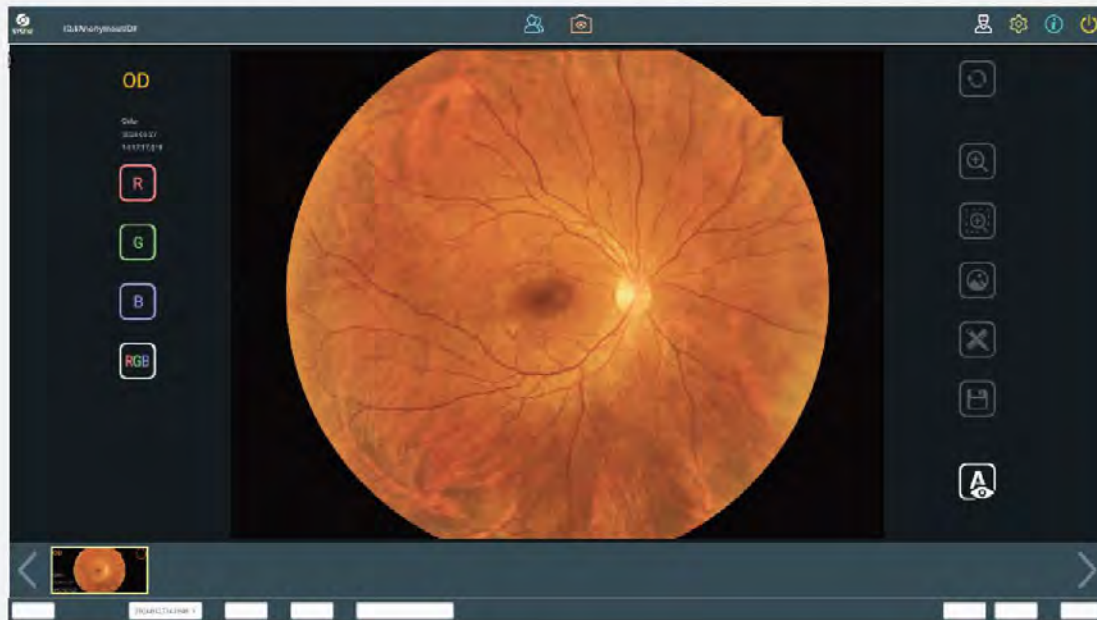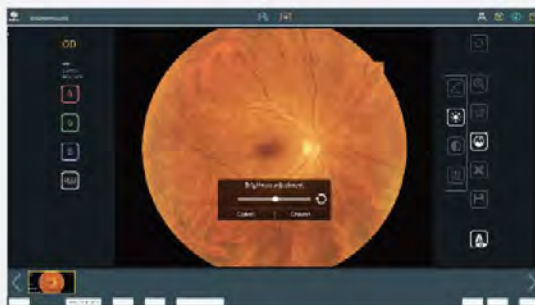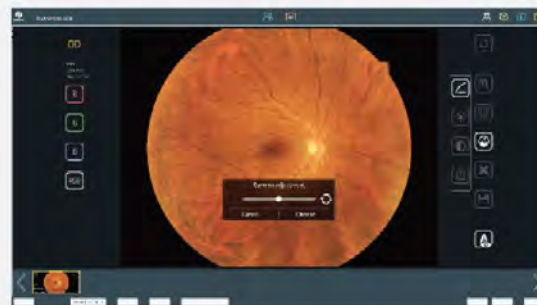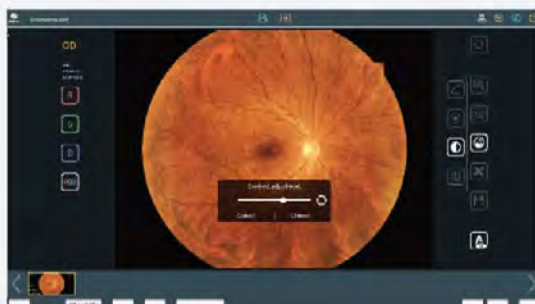
Image gamma, contrast, brightness, and colour can be adjusted according to the doctor's requirements.

Brightness adjustment

Gamma adjustment

Contrast adjustment

RGB gain adjustment

Ultra Wide-Field Fundus Camera

Imaging technology	LED true colour
Light source	LED white light
Capture mode	Single capture, automatic mosaic
Imaging modes	Colour image
Field of view (from the centre of the eyeball)	Wide field 176° (tolerance ±5%)
	Ultra wide field 220° (two images)
	Multi mosaic is larger than 260°
Resolution (optical)	8 μm (tolerance ± 7%)
Soft exposure technology	Reduce pupil shrinkage after exposure, reduce patient discomfort, and better adapt to children and special patients
Working distance	10mm ± 2mm
Camera flash light source illumination	The maximum illumination is less than 1300001x
Automatic operation	Automatic focus, Automatic alignment, Automatic capture, Automatic gain/manual
AI intelligent system	Accelerates precise fundus positioning, enhances focusing speed and accuracy, and reduces examination time
Capture speed	16 frames/second; image capture 60ms
Display screen	High-definition display, 27-inch colour monitor (resolution 2560*1440P)
Power supply	Voltage 220V, power 200W

*Specifications and design are subject to change without notice.