

SUOER

Ophthalmic Wide Field Imaging System SW-8000



SUOER ROP Screener and ROP Screener Portable (SW-8000/SW-8000P) are world's first Wide Field Color Retinal Camera with Built-in Fluorescein Angiography for Retinopathy of Prematurity. Portable compact device capturing high-resolution images and the benefit of video recording. Simple to operate and a USB 3.0 compatible device can easily work with any laptop. Suitable for various screening scenarios.

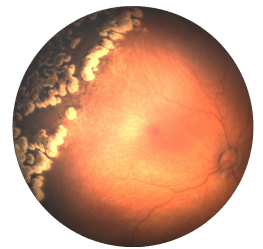
Technical data

SW-8000 ROP is a Wide Field camera, very light with easy handling. Is integrating Light Source, Refractive compensation and High resolution Imaging system

Probe Diameter	8.1mm (smallest probe in the market)
Probe Weight	527.3gr (the lightest in the market)
Probe connectivity	USB3.0 Plug & Play
Wide Field of View	135° to 144°
Light Source	Color Light Source; Fluorescence Angiography
Center field of view	≥ 30 lp/mm
Middle field of view	$(\pm 22.5^\circ) \geq 20$ lp/mm
Edge field of view	$(\pm 45^\circ) \geq 15$ lp/mm
Illumination Source	white LED



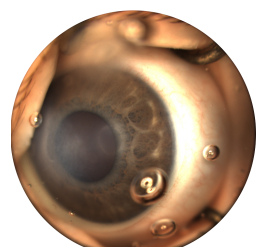
Normal Retina



Laser treated retina



ROP Angio



Anterior Segment

Feature	Value
Certification	CFDA
Field of view	Maximum of 130°
Contact method	Indirect (couple agent contact)
Portable terminal performance	Cable connection, USB3.0 interface, plug and play, safe and reliable, long service life
Auto white balance	Yes
Servo motor focus	Yes
Fall protection	Yes
No delays on capture	Yes
No need to overlay photographs after taking multiple shots	Yes
Does not heat up	Yes
Camera	High-resolution, high-sensitivity, medical-grade CMOS
Capture Probe	Probe can only be exchanged by a certified technical service to prevent drops. Allows the probe to be immersed in disinfectant to prevent cross-contamination.
Pixels	8 Mpx
Shooting parts	Fundus, cornea, anterior chamber, angle, head and face
Focus method	Pedal, keyboard button, minimum focus distance 3 mm
Shooting mode	Single, continuous, video
Recording time	No maximum limit and multiple recordings can be recorded
Video image frame rate	Resolution 2048x2048, 30 fps
Light source	New LED light source has 20 filaments , wavelength 480-700 nm
Blue light band elimination	Yes
Circular light field	Yes
Light source intensity	0-48,000 Lux
Automatic light source protection	Yes
Color rendering index	Not less than 85
Color temperature	2700
Light source brightness adjustment	The intensity of the light source is displayed in numerical value and the 0-255 level can be continuously adjusted
Equipped with light intensity safety mode limit adjustment	Yes
Pedal	Focus adjustment, control and light source adjustment, collection of static and dynamic images
Printer	Digital photo printer, color laser printer (optional)
Workstation, computer	
SW-8000 (desktop) configuration	Professional-level integrated Intel computer, sixth-generation Core i5 processor, TI solid-state drive, Windows 10 operating system, Dell U2415 24-inch professional-grade hard IPS screen, 99% sRGB color gamut, professionally designed and professionally designed lifting platform with a range of adjustment of 200 mm
SW-8000P (portable) configuration	ThinkPad New S2 (20GU0000CD) 13.3-inch ultra-thin laptop, sixth-generation Core i5 processor, 240G solid-state drive, Windows 10 operating system
Software system	Any two images can be compared side by side and printed Provides contrast, brightness, red, green and blue adjustments You can enter your name, date of birth, corrected gestational age and weight (to more accurately understand the specific conditions of the children being examined) Post-processing editing and annotation functions for collected images, which provide annotations, marks and local lesion magnification
Chariot	Ergonomic and easy to move, 4-wheel braking system Vertical movement range: between 812 mm and 1012 mm Monitor base with 200mm vertical adjustment