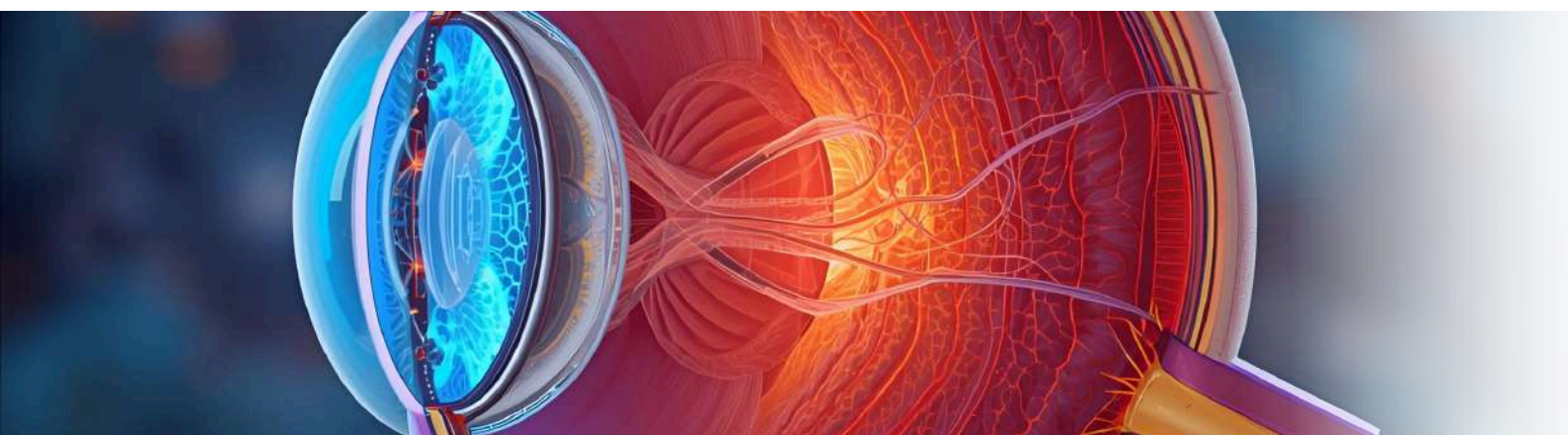


Glo - i

Ophthalmic Surgical Operating Microscope

Experience bright, true-to-life visualisation with precision optics designed for anterior segment excellence.



Every Layer in
Perfect Focus



The Sanma Crisp-i surgical operating microscope is purpose-built for anterior segment ophthalmic procedures, providing surgeons with unmatched clarity, stability, and illumination. Its high-definition coaxial optical system delivers a brilliant red reflex for precise visualisation of the anterior capsule and intraocular structures. Designed for long surgical sessions, the Crisp-i combines ergonomic comfort with intuitive control, ensuring effortless precision in every step of cataract or corneal surgery.

Brilliant Red Reflex Illumination

Deep, uniform reflex glow from the retina for clear anterior capsule visibility.
Enhanced contrast for safe capsulorhexis and lens manipulation.

Optical Precision and Clarity

Apochromatic optics with distortion-free magnification (4×–25×).
True-color imaging for natural tissue differentiation.

Surgeon-Friendly Ergonomics

Compact floor stand with balanced movement.
Foot-switch control for zoom, focus, and light intensity.
Adjustable binocular head for posture comfort.

Integration & Documentation

HD camera system for real-time teaching and recording.
Assistant viewing port for collaborative workflow.

Optimized for Anterior Segment Procedures

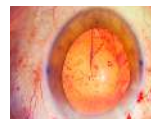
- Smooth motorized zoom and fine focus allow effortless transition between surgical steps.
- Shadow-free coaxial lighting provides clear contrast and tissue detail.
- Ergonomic design with foot control and assistant viewing supports comfort and teamwork.
- Perfect for phacoemulsification, capsulorhexis, and IOL implantation.



Model
Glo - i

Sanma's
RED REFLEX

“Illuminate the Capsule with Absolute Clarity.”



Features	Description	Optional
Optics	Full Apochromatic Galilean Type	
Binocular	<ul style="list-style-type: none"> Parallel 45° inclined binocular tube 10 X Wide Field & High Eye Point Diopter Adjustment : +6 to -6 50mm to 75mm 	0°210° tilt able binocular tube
Magnification	5 Step - Drum type	
Total Magnification	0.4X, 0.6X, 1.0X, 1.6X, 2.5X	
Field of View	Ø64.1, Ø40.6, Ø25.7, Ø16.5, Ø11.3mm	
Objective lens	f=200mm	
Motorized Fine Focus	50mm movement range controlled by foot switch	
Illumination	Hi Power day light LED source with Brightness adjustment. Sanma red-iGlo factor dual Illumination system for Bright Red Reflex.	
Filters	Heat absorbing UV filters, yellow filters	
Arm counter balance	<ul style="list-style-type: none"> Length: 1st arm 420mm, 2nd arm 580mm Rotational angle: 1st arm- 360°, 2nd arm 300° 	
Base Dimension	Ø740mm	
Power	Primary Voltage: AC 220~240 V Power Frequency: 50Hz Maximum Power Consumption: 120VA	

Camera Attachment



Beam Splitter
50:50 / 80:20



C - Mount



Camera Head &
Control Unit



Fully Assembled
Camera System

High sensitivity sensor and optics that transforms picture perfect surgical live visual effect on screen

Compact camera system surgical operating microscope and slit lamp



HD CMOS
60fps
HD-SDi / HDMI

Bright **Clarity** for Every Step

Sanma Glo - i

Ophthalmic Surgical Operating Microscope



EMC 2014/108/EC
EAR Regulation (EU) 2017/745 on Medical Devices
Clinical Evaluation report as per EU MDR 2017/745
Technical documentation as per Annex II of EU regulation 2017/745
ISO 13485:2016
CDSCO: TN/M/MD/OO4755

Specifications & Design are subject to change without prior notice as a result of further product development
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2025



www.sanmas.com

Engineered Clarity for Anterior Segment Procedures



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