



## **Lumenis Smart LIO™**

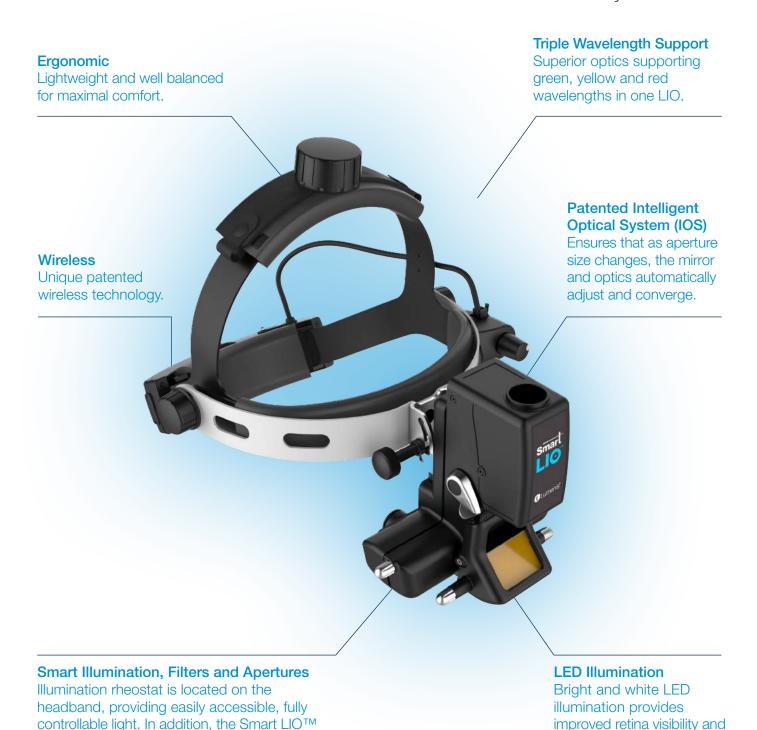
has 4 different light filters and 3 aperture

sizes (see back cover).

# Advanced Laser Indirect Ophthalmoscope

Lumenis is proud to present the Smart LIO™, its newest high-end Laser Indirect Ophthalmoscope.

Smart LIO™ offers a new standard of comfort and reliability:



allows for longer battery life.

The new Smart LIO™ is compatible with all Lumenis photocoagulators and multi-application platforms, allowing you to use one LIO for all your retinal care needs:



Smart532<sup>™</sup>: green photocoagulator with SmartPulse<sup>™</sup> sub-threshold technology.





# Vision One

Multi-color photocoagulator. Allows you to choose any desired combination of green (532nm), yellow (577nm) or red (659nm) wavelengths, for optimal clinical outcomes.



SLT + YAG + Smart532™.

The comprehensive solution for ophthalmic practice, providing glaucoma, secondary cataract and retinal therapy within a single unified platform.



### Illumination Filter Selection



White Light - Clear settings with no filter. Recommended for inspection of a specific pathology and when a brighter light is desired.



**Green Filter -** Red free filter. Used for examination of fine blood vessels and identification of microaneurysms.



**Blue Filter -** Cobalt blue filter for fluorescein angiography.



**Diffuser -** Extra wide beam of diffused light permits a more relaxed technique during more challenging fundus examinations.

### Illumination Aperture Sizes



**Large** - Suitable for routine examinations through fully dilated pupils.



**Intermediate** - Designed to reduce reflections when entering a partially or poorly dilated pupil. Also ideal for closer inspection of particular fundal areas.



Small - Ideal for small, undilated pupils.

### Smart LIO™ Specifications

#### **LIO Headset**

Binocular indirect ophthalmoscope	Modified Keeler
Headset dimensions (all dimensions adjustable)	Height: 22 cm (8.7 in)   Width: 25 cm (9.8 in)   Length: 38 cm (15 in)
Headset weight	800 g (1.75 lb)
Optical fiber length	5 m / 16.4 feet
Ophthalmoscope Technical Specifications	
Illumination intensity	3500 Lux ±500*
Illumination patch sizes	20/40/60 mm ±10%*
Interpupillary adjustment	48 to 76 mm
Power Supply	
Input mains power	100-240 VAC, 700 mA, 50-60 Hz
Power supply rating	12V: 2.5 A (PSU only)
Compatible Lumenis Lasers and Usable Wavelengths	(with Appropriate Eye Safety Filters)
Spectra / Spectra DP	532 nm (green); 630–680 nm (aiming beam)
Smart532	532 nm (green); 635 nm (aiming beam)
Vision One	532 nm (green); 577 nm (yellow); 659 nm (red); 635 nm (aiming beam)
Working Distances	Approximately 28 cm (11 in) Defined as the distance from the center of the LIO laser mirror to the image of the retina.

<sup>\*</sup> Measurements taken at 440 mm from the front surface of the SmartLIO

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