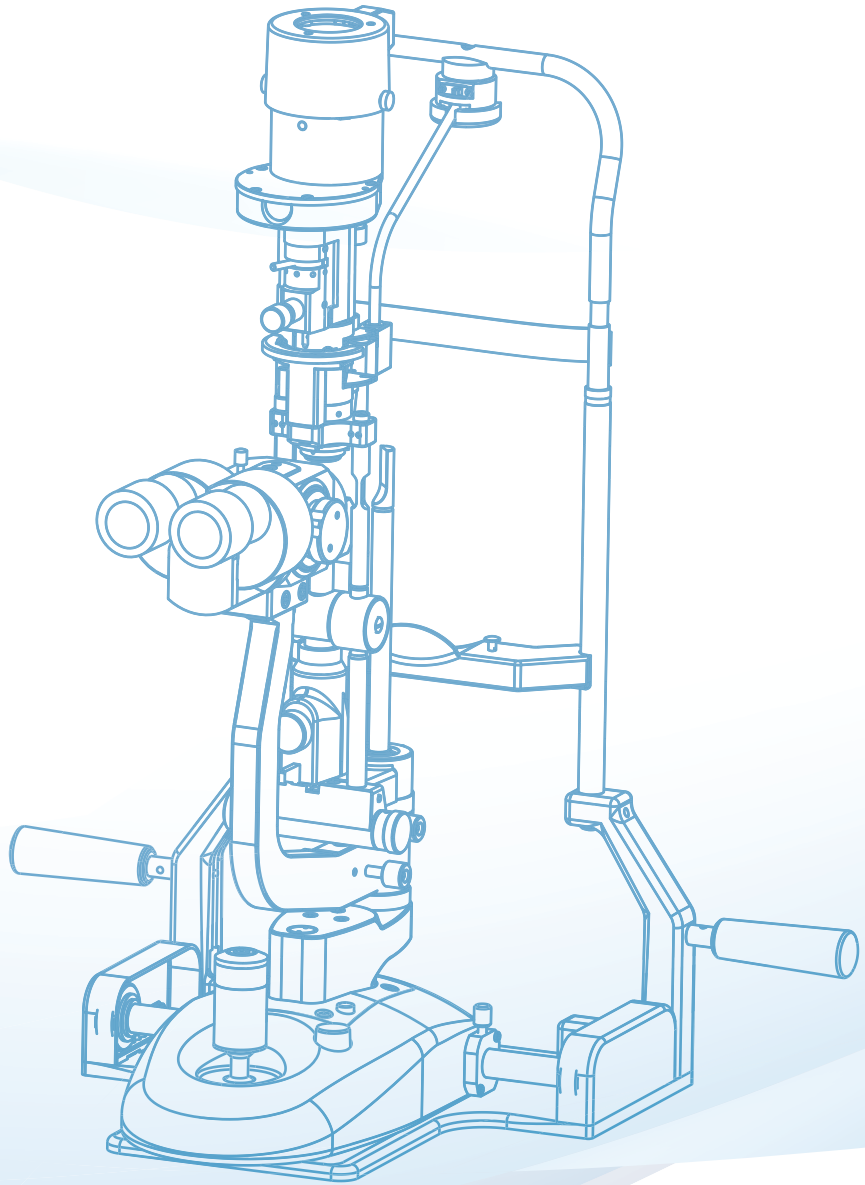


LED & Halogen SLIT LAMPS

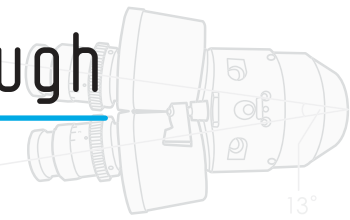
Quality Optics



Greenough

LED: L-0185-LED

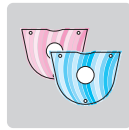
Halogen: L-0185



With built-in C-mount (factory option) camera can be attached



Continuous light volume controller for fine adjustment



Colour selectable base top for your interior theme



Built-in yellow filter for clearer fluorescence images



Convergent optics for user's comfort



Half-moon type column for laser system attachment



Light booster for momentary extra-brightness (halogen type only)



Digital camera control base for easy photography (activating this function is optional)

G



Lamp house of L-0185 Halogen type

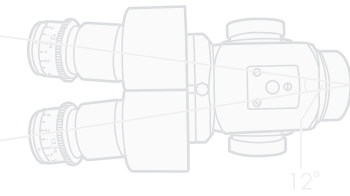


L-0185-LED

3 Step

LED: L-0187-LED

Halogen: L-0187



Continuous light volume controller for fine adjustment



Colour selectable base top for your interior theme



Digital video camera beam splitter can be attached



Convergent optics for user's comfort



Half-moon type column for laser system attachment



Light booster for momentary extra-brightness (halogen type only)



Digital camera control base for easy photography (activating this function is optional)

3



Lamp house of L-0187 Halogen type



L-0187-LED

5



Lamp house of L-0189 Halogen type



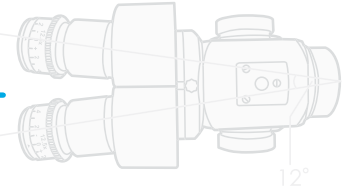
L-0189-LED



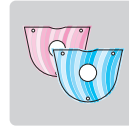
6x 10x 16x 25x 40x

5 Step

LED: L-0189-LED
Halogen: L-0189



Continuous light volume controller for fine adjustment



Colour selectable base top for your interior theme



Convergent optics for user's comfort



Light booster for momentary extra-brightness (halogen type only)



Digital video camera beam splitter can be attached



Half-moon type column for laser system attachment



Digital camera controlable base for easy photography (activating this function is optional)

7



Lamp house of L-0240 Halogen type



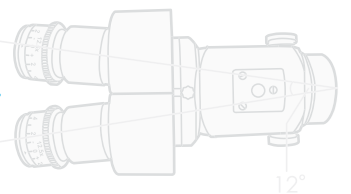
L-0240-LED



6x -18x

Zoom

LED: L-0240-LED
Halogen: L-0240



Continuous light volume controller for fine adjustment



Colour selectable base top for your interior theme



Convergent optics for user's comfort



Light booster for momentary extra-brightness (halogen type only)



Digital video camera beam splitter can be attached



Half-moon type column for laser system attachment



Digital camera controlable base for easy photography (activating this function is optional)

Versatility

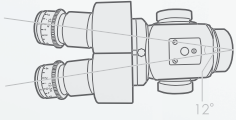
EGG SLIT LAMP

Digital Camera Compatible

LED: L-0229-E-LED

Halogen: L-0229-E

Digital camera compatible slit lamp microscope series "EGG" is ideal for digital photographing and video recording with our digital video camera beam splitter L-0541DC series. "EGG" is available in both LED and halogen light source type. All the extended functions of "EGG" have been thoroughly considered to maximise users' comfort.



Lamp house of L-0229-E Halogen type



L-0229-E-LED



Continuous light volume controller for fine adjustment



12° Convergent optics for user's comfort



14:8 S.I. Grande for 14mm illumination field

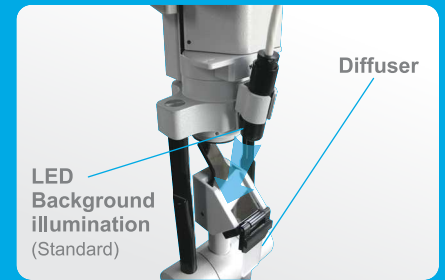


Digital video camera beam splitter can be attached

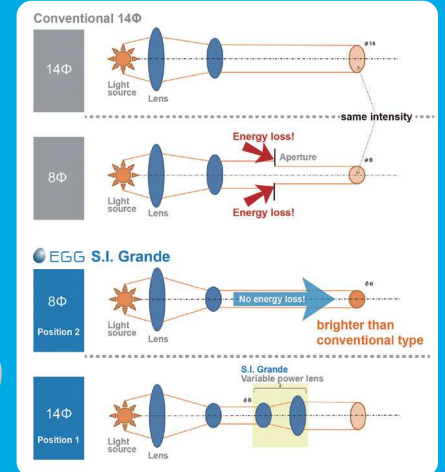
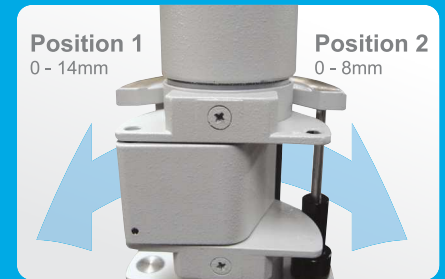
EGG LED EGG



The Joy-stick features a shutter release, a video recording function, a background illumination switch and a light intensity control. Everything is on the unique shaped base of this slit lamp for ease of use. Still images and videos can be taken in one position.



L-0229-E-LED and L-0229-E feature the LED background illumination system which allows you to take clear and bright images of slit light. The light intensity of LED is set within the extent that does not give too much damage to human eyes. The light diffuser is useful when the full view of an eye is observed.

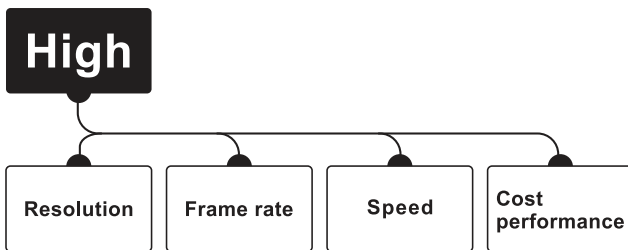


The unique function of L-0229-E-LED and L-0229-E called "S.I. GRANDE" enables you to optically change the illumination field up to 14mm by single click action. This is ideal for contact lens fitting observation. "S.I. GRANDE" is registered as Inami's patent.

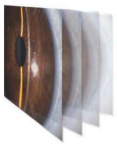
5M pixels

USB3.0

L-0541DC-5
Digital Video camera Beam Splitter for Slit Lamp



The Sony's finest 1/2.8" imaging sensor clearly captures even subtle details of an eye observed thanks to its 5M pixels resolution and distinguished sensitivity.



The incomparable smoothness provided by 30fps frame rate assures the success in taking the most wanted moment during observation of patient's eye.



High speed data transfer of the newest serial bus USB3.0 assures a stable connection between the camera and your PC, supplying necessary electricity.

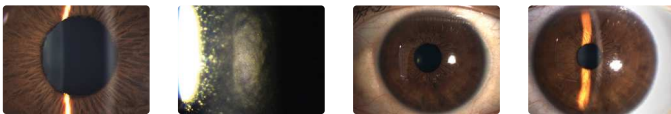


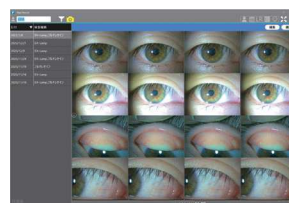
Image sensor	IMX334ROI
Sensor type	CMOS, 1/2.8", Color, Rolling Shutter
Resolution	5M pixels (2592 x 1944)
Frame rate	30fps (Maximum performance)
Interface	USB 3.0 interface

Related products

L-0541DC-12
Digital Video camera Beam Splitter for Slit Lamp



This high end model USB3.0 camera for slit lamp offers 12M pixels crisp images and 30fps smooth preview and movies.



"Pixel Filer" is a user-friendly filing application bundled with L-0541DC series cameras. The interface designed especially for clinical use allows user to take pictures and record movies intuitively. New functions such as "touch panel compatible" and "display function" have been added to the version 5.0 according to feedbacks from existing users of previous versions.

*Theoretical figure. Actual performance depends on PC and other factors.

Specifications

	Standard / Option	L-0185-LED (LED) L-0185 (Halogen)	L-0187-LED (LED) L-0187 (Halogen)	L-0189-LED (LED) L-0189 (Halogen)	L-0240-LED (LED) L-0240 (Halogen)	L-0229-E-LED (LED) L-0229-E (Halogen)
Microscope						
Type		Greenough Type Stereoscopic Microscope	Convergent Type Binocular Microscope	Convergent Type Binocular Microscope	Convergent Type Binocular Microscope	Convergent Type Binocular Microscope
Magnification Changer		2 steps by changing knob	3 steps by drum rotation	5 steps by drum rotation	Continuous Zoom by drum rotation	5 steps by drum rotation
Stereo angle		13°	12°	12°	12°	12°
Eyepiece	Standard	10x	12.5x	12.5x	12.5x	12.5x
	Option	16x	—	—	—	—
Magnification Ratio (Field of View)		10x (20.13mm) 16x (16.13mm)	10x (28.5mm) 16x (14mm) 25x (7mm)	6x (38mm) 10x (24mm) 16x (15mm) 25x (9mm) 40x (6mm)	Continuous from 10x ~ 30x (22mm~8mm)	6x (38mm) 10x (24mm) 16x (15mm) 25x (9mm) 40x (6mm)
Pupillary Adjustment		52 - 90 mm	53 - 83 mm	53 - 83 mm	53 - 83 mm	53 - 83 mm
Focus Distance		100 mm	106 mm	106 mm	106 mm	106 mm
Diopter Adjustment		+ 8 to -8 diopters	+ 8 to -8 diopters	+ 8 to -8 diopters	+ 8 to -8 diopters	+ 8 to -8 diopters
Slit Illumination						
Slit Width		0 -10 mm	0 -10 mm	0 -10 mm	0 -10 mm	0 -14 mm
		—	—	—	—	0 -8 mm (S.I. GRANDE position 2)
Aperture Diameter		0.2, 1, 3, 4, 6, 10 mm	0.2, 1, 3, 4, 6, 10 mm	0.2, 1, 3, 4, 6, 10 mm	0.2, 1, 3, 4, 6, 10 mm	0.3, 1.4, 4.2, 5.5, 8.3, 14 mm
		—	—	—	—	0.2, 0.8, 2.4, 3.2, 4.8, 8mm (S.I. GRANDE position 2)
Slit Length		0 -10 mm	0 -10 mm	0 -10 mm	0 -10 mm	0 -14 mm
		—	—	—	—	0 -8 mm (S.I. GRANDE position 2)
Slit Rotation		± 90°	± 90°	± 90°	± 90°	± 90°
Filters	Standard	Cobalt blue, Heat absorption, Red-free, 1/2 ND Built-in binoculars yellow filter	Cobalt blue, Heat absorption, Red-free, 1/2 ND	Cobalt blue, Heat absorption, Red-free, 1/2 ND	Cobalt blue, Heat absorption, Red-free, 1/2 ND	Cobalt blue, Heat absorption, Red-free, 1/2 ND, Yellow
	Option	UV, IR, 1/10 ND etc. (To be replaced with standard filters)	UV, IR, 1/10 ND etc. (To be replaced with standard filters) Built-in binoculars yellow filter (YF-57)	UV, IR, 1/10 ND etc. (To be replaced with standard filters) Built-in binoculars yellow filter (YF-57)	UV, IR, 1/10 ND etc. (To be replaced with standard filters) Built-in binoculars yellow filter (YF-57)	UV, IR, 1/10 ND etc. (To be replaced with standard filters) Built-in binoculars yellow filter (YF-57)
Slit Inclination		5° 10° 15° 20°	5° 10° 15° 20°	5° 10° 15° 20°	5° 10° 15° 20°	5° 10° 15° 20°
Light Source		LED: 14VDC 1A Halogen: Lamp bulb 12V/50W (L0160H1)	LED: 14VDC 1A Halogen: Lamp bulb 12V/50W (L0160H1)	LED: 14VDC 1A Halogen: Lamp bulb 12V/50W (L0160H1)	LED: 14VDC 1A Halogen: Lamp bulb 12V/50W (L0160H1)	LED: 14VDC 1A Halogen: Lamp bulb 12V/50W (L0160H1)
Max. intensity (Lux)		LED: 350,000Lux Halogen: 350,000Lux	LED: 350,000Lux Halogen: 350,000Lux	LED: 350,000Lux Halogen: 350,000Lux	LED: 350,000Lux Halogen: 350,000Lux	LED: 400,000Lux Halogen: 350,000Lux
Background Illumination						
Light Source		—	—	—	—	15VDC 0.1A
Base						
Vertical Movement		30 mm	30 mm	30 mm	30 mm	30 mm
Longitudinal Movement		103 mm	103 mm	103 mm	103 mm	103 mm
Lateral Movement		115 mm	115 mm	115 mm	115 mm	115 mm
Fine Base Movement		± 10 mm	± 10 mm	± 10 mm	± 10 mm	± 10 mm
Colour selectable base		Selectable	Selectable	Selectable	Selectable	—
Chinrest						
Vertical Movement		75 mm	75 mm	75 mm	75 mm	75 mm
Fixation Target		LED: LED 3V 0.01A (Option)	LED: LED 3V 0.01A (Option)	LED: LED 3V 0.01A (Option)	LED: LED 3V 0.01A (Option)	LED: LED 3V 0.01A (Option)
Input Voltage		AC100, 120V, 220V, 240V 50/60Hz	AC100, 120V, 220V, 240V 50/60Hz	AC100, 120V, 220V, 240V 50/60Hz	AC100, 120V, 220V, 240V 50/60Hz	AC100, 120V, 220V, 240V 50/60Hz
Power Consumption		LED: 25VA Halogen: 65VA	LED: 25VA Halogen: 65VA	LED: 25VA Halogen: 65VA	LED: 25VA Halogen: 65VA	LED: 25VA Halogen: 80VA
Size & Weight (Without table top)						
Weight		18.5 Kgs	18.5 Kgs	18.5 Kgs	18.5 Kgs	23 Kgs