

**SONY**  
**Digital Video Camera**  
*Beam Splitter for Slit Lamp*  
**L-0541DC**



**High**

Resolution

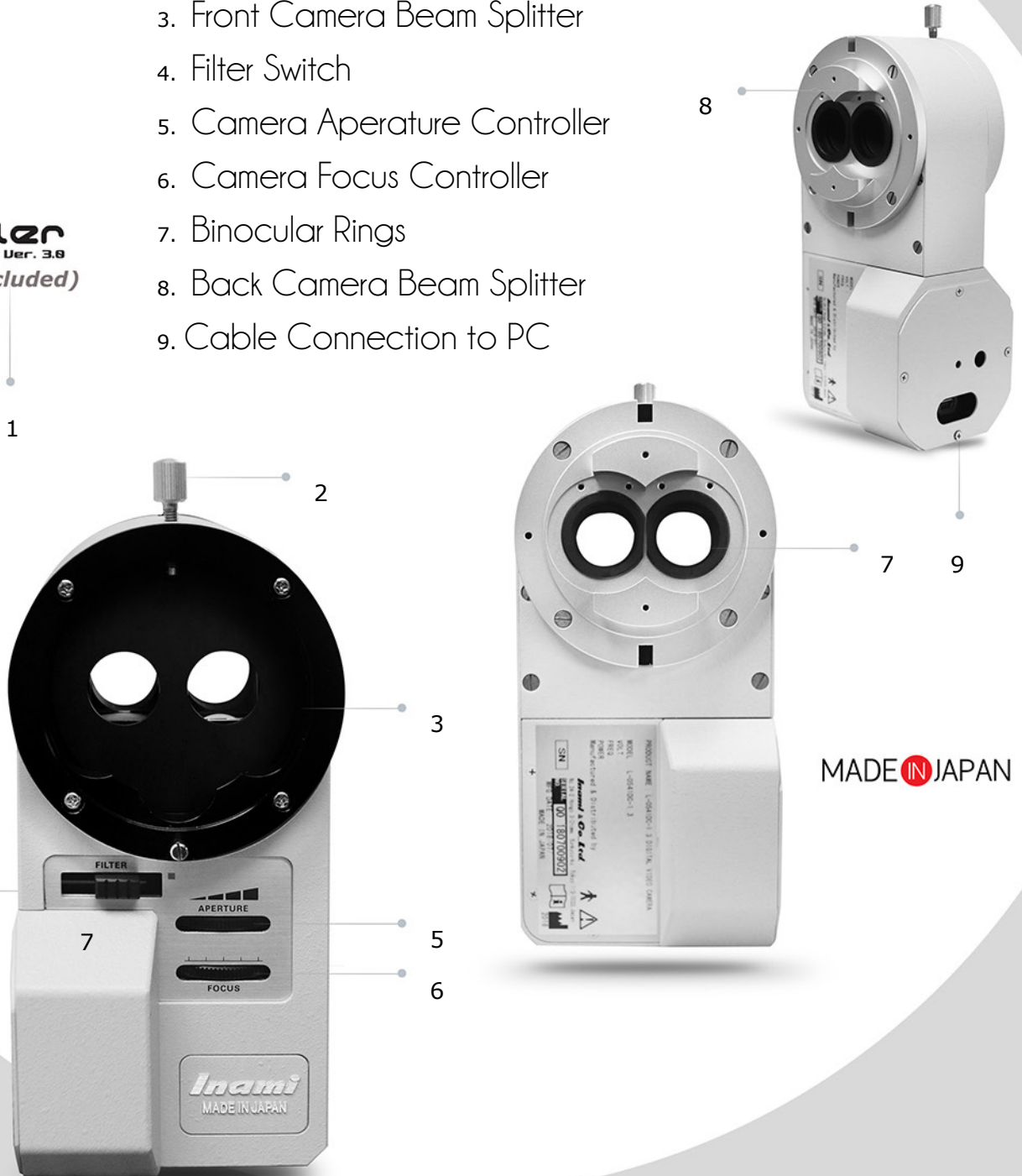
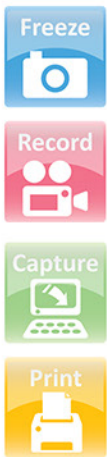
Frame rate

Speed

Cost performance

# Digital Video Camera L-0541DC

1. Digital Image and Video Software
2. Fixation Knob for Beam Splitter
3. Front Camera Beam Splitter
4. Filter Switch
5. Camera Aperture Controller
6. Camera Focus Controller
7. Binocular Rings
8. Back Camera Beam Splitter
9. Cable Connection to PC



## Features:

- The ergonomic design of L-0541DC provides a clear and detailed images and videos while observing all patients eye.
- The L-0541DC is an easy to use and cost saving USB camera for Slit Lamps devices offered with a high resolution detailed images and 15fps smooth video recordings.
- Image sensors are showcased through the high quality Sony IMX036.
- Other accesories are available such as the foot remote controller and external LED background illumination.
- The L-0541DC is equipped with a aperture focus, and filter controllers which enables you to adjust manually.



SONY



## Digital Video Camera L-0541DC

MADE IN JAPAN

## Product Introduction



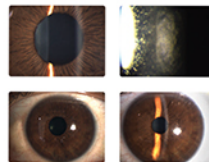
Inami's all drum magnification slit lamp models are fully compatible with the L-0541DC devices. Some slit lamps devices features a shutter release for image capturing and video recordings.



**Pixel Filer 3.0** is an easy to use software for taking fine and detailed digital images, capturing videos, and sorting files. Software run in all Windows XP, 7, 8, and 10 (Included).



**L-0541 DC** features a high quality image sensor from Sony's finest 1/2" image sensor clearly captures subtle details of the eye in high resolution.



**L-0541 DC** has a super smooth preview and movie 60fps frame provided by a rate which assures the success of details during the observation of patient's eye.



**L-0541 DC** offers a user friendly technology of assembling Slit Lamp accessories. This will allow all user to easily remove and add any additional parts with security and reliability.



**L-0541 DC** has a high speed data transfer (5Gbps) of the newest serial bus which assures a stable connection between the camera and your PC.





## Digital Video Camera L-0541DC

### Product Specifications

|                                    |  |
|------------------------------------|--|
| Image Sensor Type                  | Sony Progressive scan interline transfer CCD's with square pixels and global shutter                     |
| Image Sensor Model                 | ICX445 1/3" h EXview HAD CCD (TM)  |
| Maximum Resolution                 | 1280 (H) x 960 (V)   |
| Pixel Size                         | 3.75µm x 3.75µm  |
| Analog to Digital Converter        | 5-pin Mini B USB 2.0 digital interface for camera control, video data transmission & power               |
| Video Data Output / Max Frame Rate | 15FPS 1296 x 964 Y8 at 18 FPS  |
| Image Data Formats                 | Automatic / manual gain modules, programmable via software 0 dB to 24 dB in 0.04 dB increments           |
| Digital Interface                  | Automatic / manual modes, programmable via software, 0.01 ms to 66 ms                                    |
| Transfer Rates                     | 2 W (max) at 5V  |
| Partial Image Modes                | Pixel binning and region of interest modes via format_7  |
| General Purpose I/O Ports          | 7-pin JST GPIO connector, 4 pins for trigger and strobe, 1 pin +3.3 V, 1 VEXT pin for external power     |
| Gain Control                       | Automatic / manual / one-push gain modes, programmable via software, 0 dB to 24 dB in 0.04 dB increments |
| Shutter Speed                      | Automatic / manual / one-push modes, programmable via software, 0.01 ms to greater than 10 seconds       |
| Power Consumption                  | 2 W (max) at 5V  |

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 (Software Included)  
**Pixel Filer**  
Filing software Ver. 3.0