

# Exam and document at the same time



**ZEISS SL Imaging Solution**

[zeiss.com/SLimaging](http://zeiss.com/SLimaging)

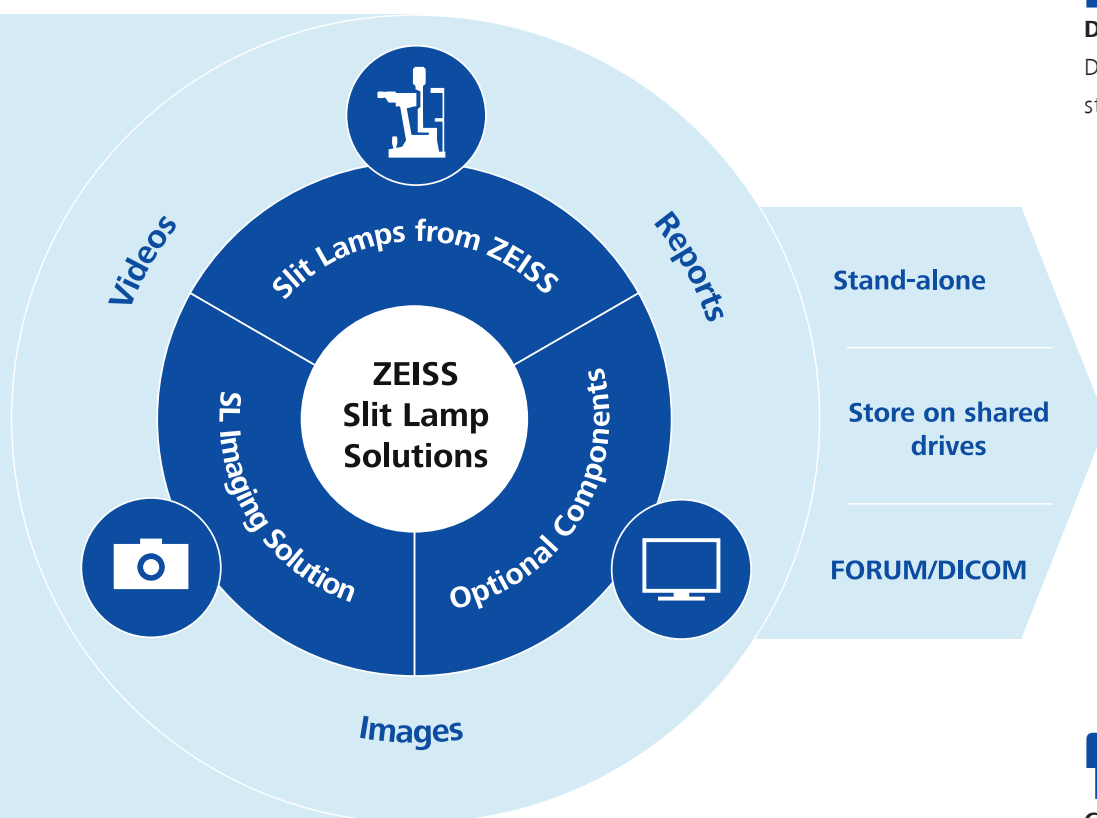


Seeing beyond

# ZEISS SL Imaging Solution

## Seamless image and data capture for Slit Lamps

The intuitive SL Imaging Solution from ZEISS takes your everyday slit lamp exams to the next level by adding the integration of high-quality image and video capture to exam reports, offering you the ability to document cases, to include in patient education, teaching, or publishing. This all-round imaging solution features a modular concept, giving you the option to add slit lamp imaging seamlessly into your workflow on a preferential basis.



### Document

Document the status of the eye.



### Education

Explain conditions to patients for better understanding.



### Teaching

Explain conditions and treatments to students.

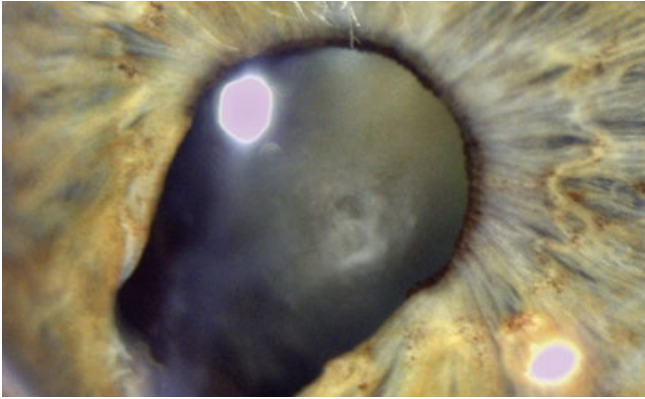


### Community

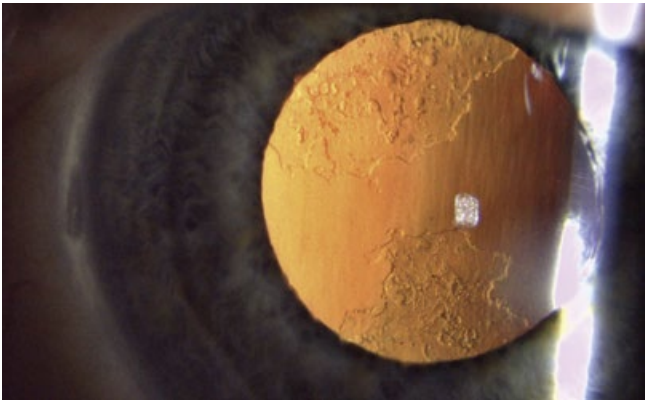
Share your data with colleagues or with the community.

### Custom capabilities

Complete your setup with optional components like the SL Workstation (Panel PC with pre-installed software) and widefield illumination available from ZEISS for a comfortable practice integration.



*Traumatic coloboma of the iris and cataract as sequelae of penetrating injury*



*Posterior capsule opacification*

## High-definition image and video capture

The smooth integration of camera and slit lamp allows the capture of images and videos with clarity, magnifying tiny details. With a frame rate of up to 40 fps, broadcasting in real time without the worry of latency or lag is now possible with LiveView, enabling true-to-life color imaging – a convenient tool for patient education or teaching.

Technical details:

- Camera for up to 18 MP resolution (4,912 x 3,680 pixels)
- True-to-life color: capture as seen through the slit lamp
- Live view without latency: broadcast a live image on screen at 40 fps

*Faint corneal scars at high magnification after LASIK therapy*





*Enjoy additional comfort with the joystick control elements of the ZEISS SL 800 slit lamp*

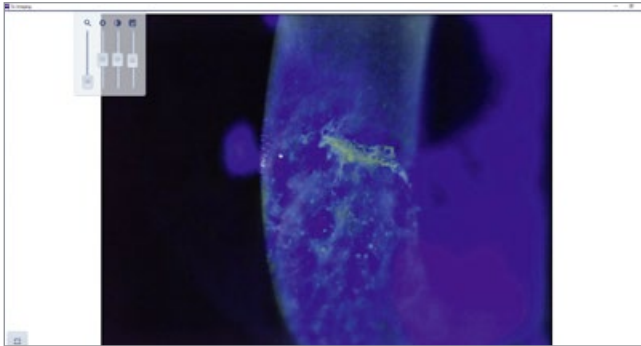
## Workflow-optimized design

The workflow-optimized software and hardware design of the SL Imaging Solution allows for both the actual exam and documentation to take place in parallel. With no need to take extra effort for creating images and videos, you can fully focus on your patients.

- Capture live exam images with the simple click of a joystick trigger or button\*
- Capture images while simultaneously recording a video
- Directly import your images and videos into your favorite editing software
- Compare recordings with the Flicker feature



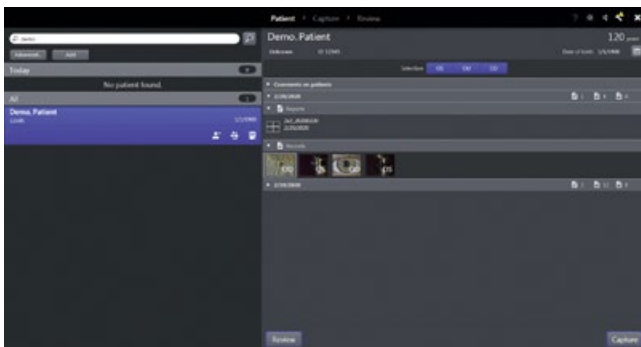
\* In combination with the ZEISS SL 800 Slit Lamp



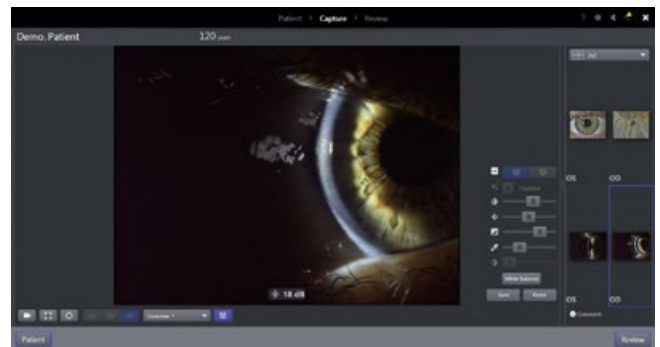
Review Screen: Edit Mode in Fullscreen

## Key benefits of the SL Imaging Solution

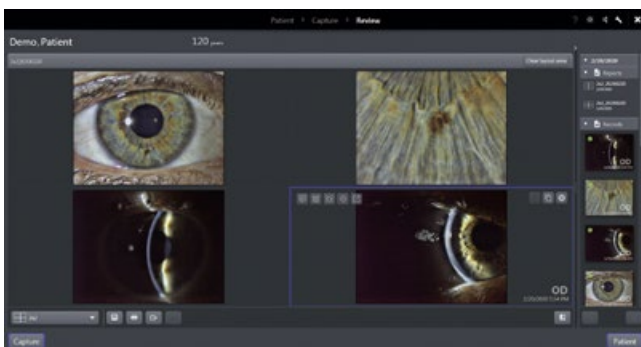
- **Automatic Eye Detection\***: Automatically detects the eye position laterally
- **Live Parameter\***: Monitor the magnification level and defined camera parameters
- **Camera Profiles**: Select a predefined settings profile, such as for slit images, or define your own individual profiles
- **Quick Edit**: Edit and adjust camera settings, including white balance, in live mode and edit stored images and videos
- **Instant Preview**: Review image quality immediately after capture
- **Dark Theme**: In combination with the illumination of the panel PC, working in a dark environment is convenient



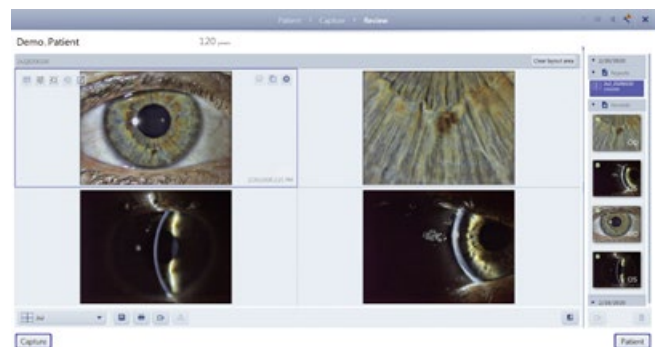
Patient screen in dark theme mode



Capture showing camera settings



Review screen showing layout and edit functions



Review screen in light theme showing Quick Edit option

\* In combination with the ZEISS SL 800 Slit Lamp



## Digital documentation

One-click data export makes it convenient to add reports, images, and videos to the digital patient record, streamlining your daily workflow. Share records with patients and publications, with students for education, or with the ophthalmology community for academics or to facilitate second opinions. Other benefits include:

- Individual report layouts
- Auto-fill reports with images, including a direct comment function
- Export to FORUM and DICOM systems
- JPEG and MP4 export to hard drive

# Technical data

## SL cam compact

Sensor size	18 MP (4,912 x 3,680 pixels)
Camera resolution	5 MP (2,592 x 1,944 pixels) with approx. 40 fps (best) 18 MP (4,912 x 3,680 pixels) with approx. 15 fps (high)
Interface	USB 3.0
Dimensions (W x H x D); weight	for SL 115 Classic: 75 mm x 65 mm x 35 mm; 0.40 kg for SL 120/130: 77 mm x 67 mm x 53 mm; 0.53 kg for SL 220: 70 mm x 45 x 70 mm; 0.43 kg for SL 800: 80 mm x 130 x 55 mm; 0.45 kg



## SL Imaging Software – Technical hardware requirements

Hard disc	Min. 250 GB
RAM	Min. 16 GB
Interface	Min. 1x USB 3.0 (for SL cam compact) Min. 1x USB 2.0 or higher (for ZEISS SL 800 only)
Monitor resolution	Min. 1,024 x 768 pixels
Operating system	Windows 10 (x64)*
Data export formats	JPEG (image) MP4 (video) PDF (report) DICOM (data transfer into FORUM/PMS)

## SL Workstation – 22" Touch screen monitor including: PC mouse, PC keyboard

Dimensions (W x H x D)	546 mm x 351 mm x 66 mm
Weight	Approx. 8 kg
Monitor resolution	1,920 x 1,080 pixels LCD touch screen
Processor	Intel® Core™ i5 Quad Core Processor
Hard disc	2 TB HDD
RAM	16 GB
Interfaces	4x USB 3.0 2x Isolated Gigabit Ethernet Port 2x RS-232 1x HDMI and DisplayPort Audio (Mic-in/Line-out)

## Additional components (optional)

Widefield illumination	<b>Dimensions (W x H x D)</b>	35 mm x 185 mm x 50 mm
	<b>Weight</b>	approx. 1.5 kg
Foot switch	<b>Dimensions (W x H x D)</b>	79 mm x 103 mm x 29 mm
	<b>Weight</b>	approx. 0.35 kg
10x eyepiece, cross-hairs	<b>Dimensions (L x diameter)</b>	90 mm x 44 mm
	<b>Weight</b>	approx. 0.13 kg

\* For compatibility with other operating systems please contact your service contact.



**SL Imaging Solution**



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[www.zeiss.com/slImaging](http://www.zeiss.com/slImaging)

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