

Frey



Digital Imaging System

SLI-200 4K

freymedical.eu

Introducing Frey SLI-200 4K

Imaging With Exquisite Precision: Capturing Holistic Ocular Health

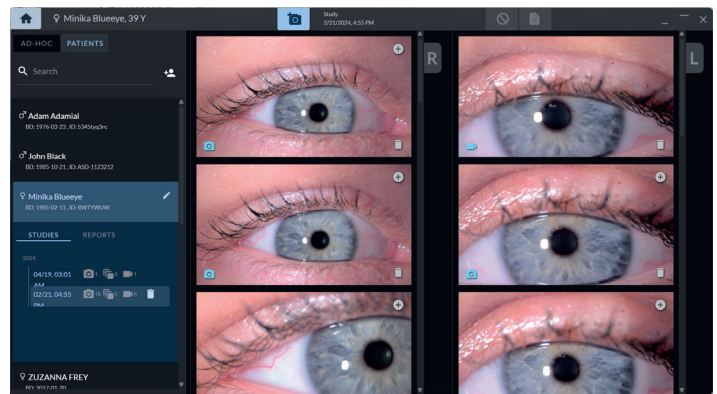
SLI-200 4K, designed and engineered by Frey, represents the pinnacle of slit lamp microscopy innovation. Crafted with precision and equipped with proprietary imaging technology, Frey SLI-200 4K offers superb optical clarity and depth of field in visualizing ocular structures.

4K Imaging Resolution

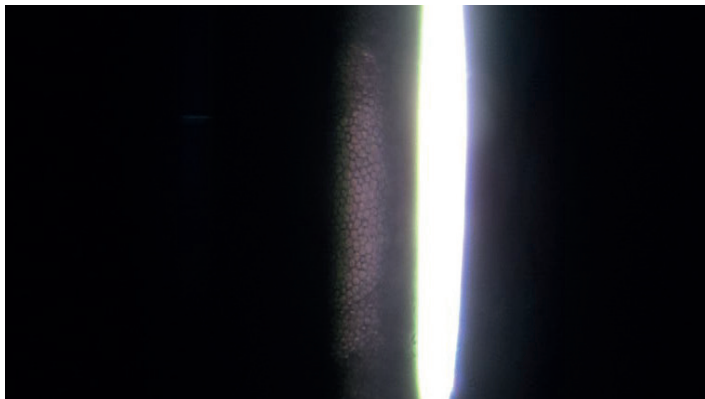
SLI-200 4K boasts an impressive 4K resolution, providing crystal-clear imagery with unmatched detail. Finest structures of ocular anatomy vividly captured, allowing for precise diagnosis, facilitating clinician decision support and planning.

Patient Management

Effective patient data management enable eye care professionals to easily access previous test results and imaging, enabling identification of trends, track progression of eye disease, and make informed decisions whether to maintain diagnosis or implement a new treatment regime.



Patient examination management.



Unprecedented clear and detailed images.

Imaging Details

In the domain of ophthalmic imaging, the ability to capture high-resolution images of corneal endothelial cells is a hallmark of imaging system design and quality. Frey SLI-200 4K stands at the forefront of technological advancement, offering ophthalmic and optometric professionals an unparalleled opportunity to visualize endothelial morphology with unprecedented clarity and detail.

Proprietary Visualization

Unlike conventional slit lamp digital imaging systems, SLI-200 4K incorporates a proprietary imaging system that enables real-time visualization of blood flow even within the eye's vasculature.

Frey SLI-200 4K transcends traditional slit lamp microscopy and digital imaging, offering clinicians a transformative platform for comprehensive ocular evaluation and treatment of disease. SLI-200 4K empowers clinicians to unlock new insights into ocular health, while enhancing patient care and eye care outcomes.

Both SLI-100 & SL-110 slit lamps
are adaptable with **SLI-200 & SLI-200 4K systems**

Eyemager™ - taking exceptional eye images is in your hands

Discover the art of timely analysis and clinical workflow

Acquiring high-quality digital images and 4K video from a slit lamp microscope is just the beginning. Visual data management and operational efficiency to optimize performance is now in the clinician's hands. Eyemager is a Frey propriety application designed to seamlessly manage and intelligently process historical examinations and simplify clinical workflow effectiveness.

User-Friendly Interface

Designed with the clinician in mind, the SLI-200 4K features an intuitive interface that streamlines examination procedures and enhances workflow.

Report Generation

Generating clear and concise reports that include images and descriptions enables efficient navigation through the sea of complex data and effective data handling. Relevant information is conveyed accurately, so that eye care professionals focus on the patient and their clinical presentation, not on data mining.

Advanced Optics

Engineered with state-of-the-art optics and light sources, the SLI-200 4K delivers exceptional image quality and color accuracy. Clinicians can confidently evaluate the smallest structures with precision and confidence.

Editing Tools

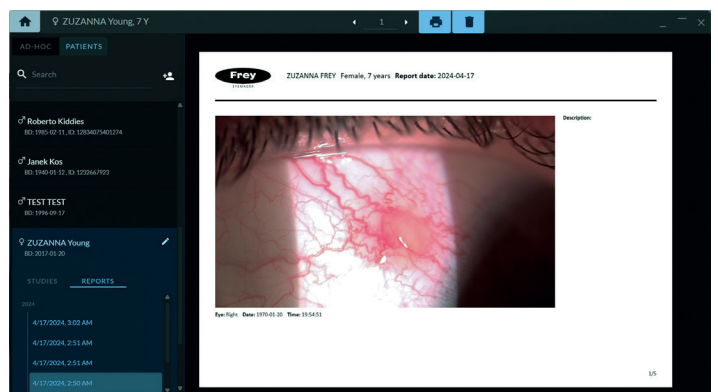
Eyemager includes editing tools for video materials, including cropping videos. This functionality enables clinicians to quickly and easily analyze large volumes of images and videos, extracting clinical information and key data while conserving storage space.

Mirroring Natural Workflow

Diagnostic images are arranged in reverse chronological order, allowing for easy access to the most recent image first and the oldest image last, similar to how one would navigate through a paper chart.



Exceptional image quality and color accuracy.



Creating and sharing reports.



Image edition and adjustment.

Technical specification and Slit Lamp devices details

Slit projection general data	SL-100 Slit Lamp			SL-110 Slit Lamp		
Slit width (continuously adjustable)	0 - 16 mm			0 - 14 mm		
Maximum slit width	16 mm			14 mm		
Slit length (continuously adjustable)	1.1 - 16 mm continuously variable			1.8 - 13 mm continuously variable		
Slit projection scale	1.2 x			1.2 x		
Slit aperture diaphragms	0.3/ 1/ 3/ 5/ 9/ 16 mm			0.2/ 5.5/ 9/ 13 mm		
Filters	clear, blue, natural density, yellow, diffuser, red-free			clear, blue, yellow, diffuser, red-free, red		
Slit rotation	0° - 180° with reference scale			0° - 180° with reference scale		
Vertical slit tilting angles	0°/ 5°/ 10°/ 15°/ 20°			-		
Slit projection angle	90° - 0° - 90° with reference scale			90° - 0° - 90° with reference scale		
Working distance - eye of patient/ prism surface	85 mm			81 mm		
Fixation lamp	green lamp			green lamp		
Chin-rest height adjustment	59 mm			59 mm		
Base travel	103 mm X-axis, 100 mm Y-axis, 35 mm Z-axis			103 mm X-axis, 100 mm Y-axis, 35 mm Z-axis		
Light source	LED (3500K)					
Stereoscopic Microscope						
Microscope type	Convergent binocular optical microscope @ 8°					
Magnification power selection system	Five position rotating drum					
Eyepiece	12.5 x					
Magnifying powers	6x	10x	16x	25x	40x	
Field of view [mm]	36	22	14	9	5.6	
Distance between pupils	48.5 – 80 mm					
Objective lens working distance	111 mm					
Objective lens working angle	12°					
Eyepiece diopter adjustment	from -5D to +5D					
Camera						
Sensor	CMOS Image Sensors 4K (8 Mpix)					
Image processing technology	HDR					
Photo resolution	3840x2160, 1920x1080					
Video resolution (Fps)	3840x2160 (30 Fps); 1920x1080 (30 Fps or 60 Fps)					
Communication	USB 3.0					
Depth of color	up to 12 BPP					
Other features	Automatic L/R eye detection, capture with joystick pushbutton					



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