

MULTITUNCTION JOYSTICK

It Allows for image capture, exposure adjustment, and direct selection of photo and video modes



LIGHT SOURCES

A dual-function potentiometer allows for the adjustment of the slit and background light sources.

MAIN LED ILLUMINATION The main LED illumination source, with its low thermal emission, provides high

comfort for the patient during biomicroscopic examination. The color temperature of the light emission remains constant regardless of its intensity. **AUXILIARY LED ILLUMINATION**

The auxiliary light source can provide background illumination to optimize image capture with the camera, which also allows for the capture of Meibomian glands.



MICRUSCUPE

A five-step microscope associates the magnification with the image captured by the camera in real-time during the slit lamp examination.

DIAPHRAGM

To enhance the depth of field in images, the slit lamp is equipped with a diaphragm that also integrates with the application software

YELLOW BARRIER FILTER

It allows to increase contrast during biomicroscopic examination with fluorescein

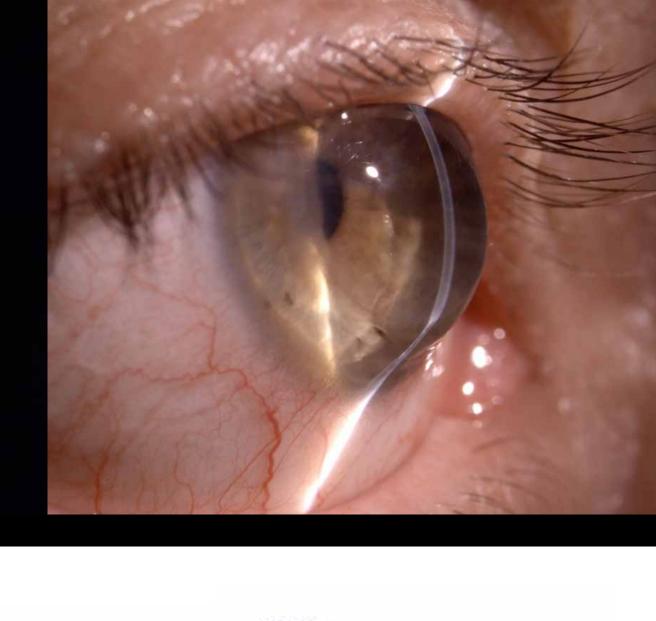


DIGITAL CAMERA

and automatic exposure adjustment, enables high-quality video and image capture of ocular structures.

The Mizar digital camera, thanks to its high resolution





Allows for the analysis of the lipid layer

of the tear film and a qualitative assessment of break-up time.

TONOMETERS The SL99K Élite slit lamp is compatible

with CSO applanation tonometers models F900 and A900.

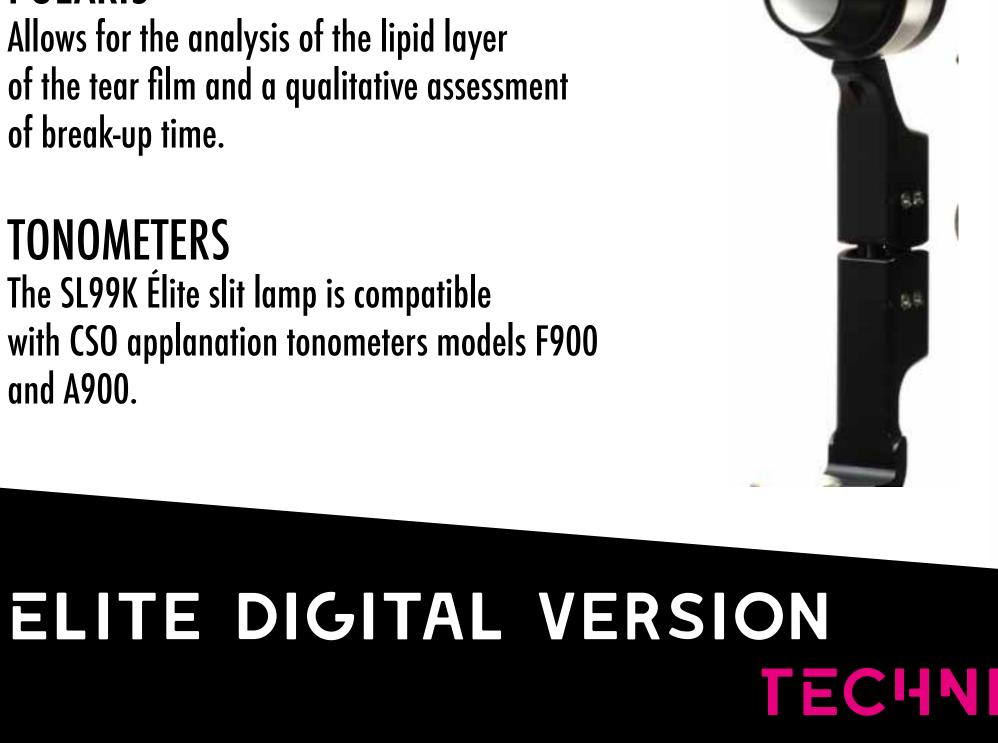
Sensor size

Resolution

Interface

Dynamic range (sensor)

Frame rate (frames per second)





Illumination Illuminator

White LED (main and background)

Illuminator	White LED (main and background)
Slit projection index	1,25 x
Slit length (continuous setting)	1 – 15 mm continuous
Slit width (continuous setting)	0 – 15 mm continuous and fixed apertures
Maximal length of the slit	15 mm
Aperture diaphragms	ø 15/10 / 5 / 3 / 1 / 0.2 mm
Filters	Blue, red, green (red free), ND50%
Slit rotation	±90° continuous on Tabo system
Rotation interval of the slit projecton	±90°, 0-180° tabo scale steps 10°, reference on 0°,45°,90°,135°,180° and ±10°
Vertical tilt	0°/5°/10°/15°/20°
Horizontal tilt	± 10° reference on 0°
Operation distance (mirror/patient's eye distance)	80 mm
Luminosity adjustment	Continuous adjustment
Luminous intensity	220000 Lux
Microscope	
Туре	Galilean convergent with magnification change system -5 positions
Ocular convergence angle	6°
Stereoscopic angle	10°
Overall magnification	6 ×, 10 ×, 16 ×, 25 ×, 40× (real 5,6x / 8,5x / 14,8x / 25,6x / 39,3x) magnifications are automatically recognized by Phoenix software when the user takes the pictures
Eyepiece magnification	12.5×
Range of adjusting eyepieces	+8 to –8 diopters
Inter pupillary distance	50 – 80 mm
Yellow filter	included
diaphragm	Adjustable by the user
Inclined eyepiece	Optional
Digital camera	

CO137 Rev01 02/09/2024

2/3"

73 dB

USB 3.0

35

2248x2048