

SLIT LAMP ESL-1200

PRECISION AND CLARITY
REDEFINED.



ELI
EZer®

ESL-1200

The Ezer **ESL-1200** Slit Lamp Microscope is designed with advanced optics and user-friendly features to meet the highest examination standards. It provides exceptional clarity and sharpness, offering crisp images and a wide field of view with excellent resolution.

The **ESL-1200** is equipped with a Carl Zeiss-style illumination system and an advanced Cross-Angle Stereovision Converging Binocular Optical System. Its classic design is both ergonomic and intuitive, featuring conveniently placed controls and a two-step magnification system that easily switches between 1x and 1.6x via a handy lever.

ESL-1200

The ESL-1200 Slit Lamp is compact and equipped with essential features for easy maneuverability. It includes a small instrument table, transformer, and an accessory drawer for convenient storage of the focusing test rod and other items.



FEATURES

• CLASSIC ILLUMINATION AND ADVANCED OPTICAL CLARITY:

The Ezer ESL-1200 features a Carl Zeiss-style tower illumination system integrated with a Cross-Angle Stereovision Converging Binocular Optical System. This advanced design allows for easy access during thorough eye examinations and contact lens fittings. The illumination system is level with the observation system, and a flip lever enables quick magnification changes. Practitioners benefit from innovative optics that provide unsurpassed clarity and sharpness at a short observer-to-patient distance, delivering crisp images with excellent resolution.

• TWO-STEP MAGNIFICATION:

The ESL-1200 features advanced optics with easily adjustable two-step magnification, controlled by a conveniently placed lever. Fine adjustments to PD and optical correction enhance viewing comfort, reducing eye fatigue during slit lamp exams.

• **LARGE BINOCULAR FIELD OF VIEW:** The Ezer ESL-1200 provides a wide binocular field of view with high resolution and an adjustable depth of focus. The eyepieces can be adapted to any pupillary distance, ensuring a comfortable, fatigue-free experience even during extended examinations.

• INTEGRATED CONTROL JOYSTICK:

The ESL-1200 features an intuitive joystick for effortless control and sharp image acquisition. It offers flexible movement options, including forward and back, left and right, as well as fine and vertical adjustments. The joystick allows for precise horizontal fine-tuning and vertical height alignment. Once the desired alignment is achieved, the base can be securely locked to prevent any sliding.

• ERGONOMICALLY DESIGNED ILLUMINATION CONTROL:

The ESL-1200's classic design features a smoothly integrated joystick and controls for precise operation. The illumination lever is conveniently positioned next to the joystick, and the brightness control switch offers three settings to simplify diagnostic procedures.

• HIGH CLARITY LUMINANCE AND BUILT-IN FILTERS:

The ESL-1200 is equipped with a 6-volt, 20-watt high-luminance halogen lamp for exceptional clarity. It features three easily selectable illumination pathway filters: a heat absorption filter for patient comfort during extended exams, a red-free filter to enhance structural contrast, and a cobalt blue filter for fluorescein assessments.

• CONTINUOUS SLIT ROTATION AND APERTURE ADJUSTMENT:

The ESL-1200 allows continuous adjustment of the slit width from 0mm to 14mm, forming a circle at the maximum width, and the slit height from 1mm to 14mm. It offers a clear, broad field of view with four aperture diameters and enables precise control to rotate the slit image at any angle horizontally or vertically, from 0° to 180°.

• RED LED FIXATION LIGHT FOR ACCURATE DIOPTER COMPENSATION:

The ESL-1200 includes $\pm 6D$ diopter adjustments with the 10x eyepiece, supported by a Focus Test Rod for precise calibration. The Red LED Fixation Light Target with diopter compensation displays a dot with concentric circles, making it ideal for examining patients with refractive errors exceeding $-15D$.

• APPLANATION

TONOMETER: This slit lamp can be equipped with TN-180B applanation tonometer to measure the intraocular pressure. The TN-180B tonometer does not include a Mount Adapter for connection to the slit lamp.



SPECIFICATIONS

MICROSCOPE	Type	Cross-Angle Stereovision
	Magnification	Change the objective for 2-grade magnification
	Eyepiece	10x
	Total Magnification Rate	Objective x Eyepiece = Magnification Tate / Vision Field
		1x 10x 10x ø18mm 1.6x 10x 16x ø14.5mm
	Range of P.D. Adjustment	10x eyepiece 2.1in / 55mm to 3.22in / 82mm
	Diopter Adjustment	10x eyepiece ±6D
ILLUMINATION	Slit Proiection Magnification	1.16x
	Slit Width	continuous from 0mm/Oin to 14mm/0.55in (at 14mm/0.55in, slit becomes a circle)
	Slit Height	continuous from 1mm/0.04in to 14mm/0.55in
	Aperture Diameter	Ø0.55, Ø0.35, Ø0.22, Ø0.012 in
		Ø14, Ø9, Ø5.5, Ø0.3 mm
	Slit Angle	0° to 180° continuously adjustable from vertical to horizontal
	Filter Piece	heat-absorption, red-free and blue
Illumination Bulb	6V 20W halogen bulb	
MOVEMENT BASE	Back and Forth Movement	90mm/3.54in
	Left and Right Movement	100mm/3.9in
	Fine Vertical Movement	15mm/0.6in 30mm/1.2in
CHIN-REST PARTS	Vertical Movement	80mm/3.15in
	Fixation Target	Red-LED
POWER SOURCE	Input Voltage	100/220V ±10%
	Input Frequency	50/60 Hz
	Input Power	30VA
	Output Voltage	Illumination bulb 4V, 5V, 6V
		Fixation target 6V
DIMENSION AND WEIGHT	Packing Box	720 x 495 x 480mm 28.34 x 19.5 x 18.9in
	Total Weight	24 kg / 52.8 Lb
	Net Weight	21 kg / 46.2Lb