

SLIT LAMP ESL-5200

ILLUMINATE PRECISION, REVEAL
CLARITY—DISCOVER EXCELLENCE
IN EVERY DETAIL.



ELI
EZer®

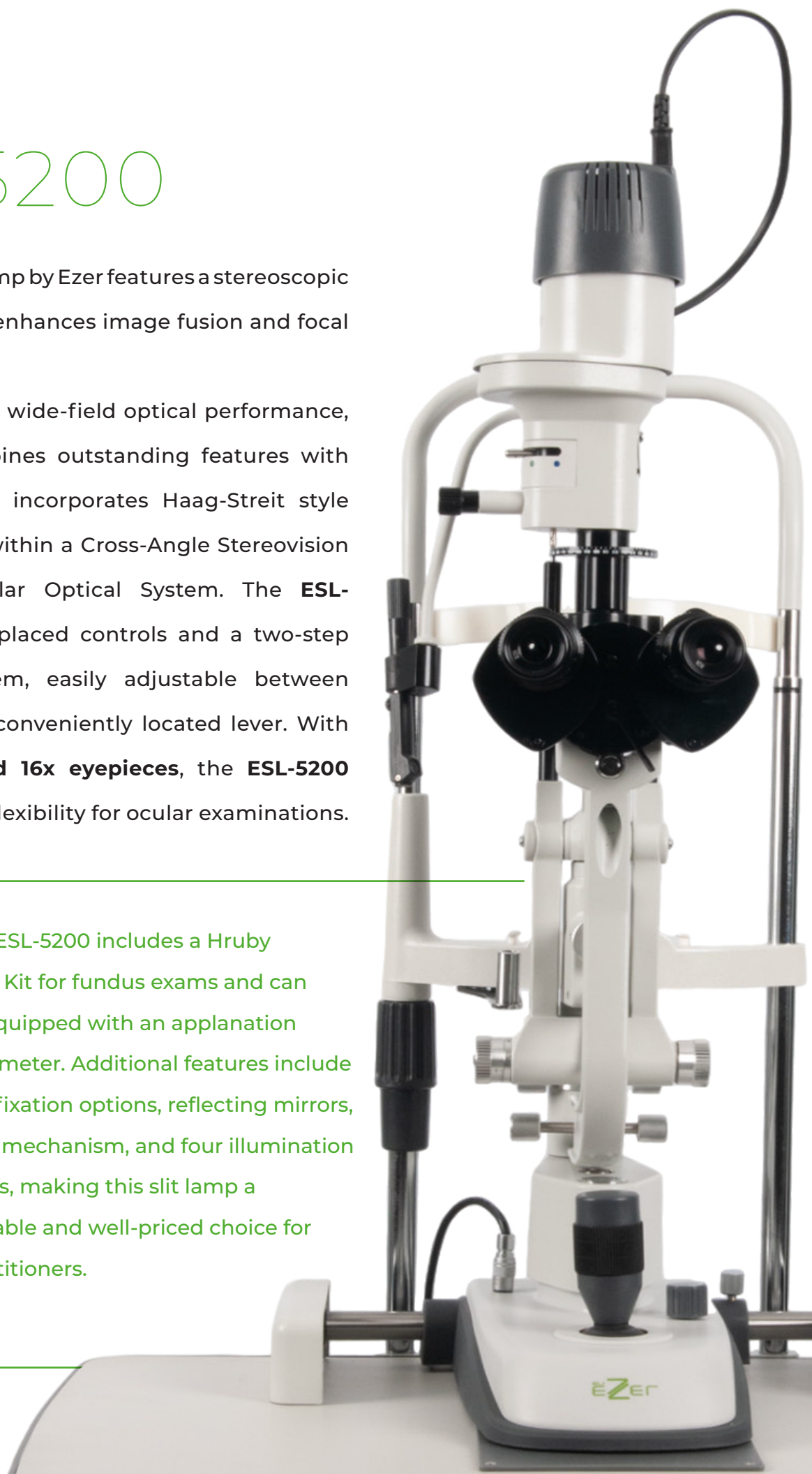
ESL-5200

The **ESL-5200** Slit Lamp by Ezer features a stereoscopic optical system that enhances image fusion and focal point clarity.

Offering exceptional wide-field optical performance, the **ESL-5200** combines outstanding features with a quality design. It incorporates Haag-Streit style tower illumination within a Cross-Angle Stereovision Converging Binocular Optical System. The **ESL-5200** includes well-placed controls and a two-step magnification system, easily adjustable between 1x and 1.6x using a conveniently located lever. With options for **10x and 16x eyepieces**, the **ESL-5200** provides enhanced flexibility for ocular examinations.

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The ESL-5200 includes a Hruby Lens Kit for fundus exams and can be equipped with an applanation tonometer. Additional features include two fixation options, reflecting mirrors, a tilt mechanism, and four illumination filters, making this slit lamp a valuable and well-priced choice for practitioners.



FEATURES

• CROSS-ANGLE STEREOVISION

CONVERGING BINOCULAR OPTICAL SYSTEM:

The Ezer ESL-5200 boasts Haag-Streit style tower illumination paired with a sophisticated Cross-Angle Stereovision Converging Binocular Optical System. It includes two eyepieces (10x and 16x) and a versatile two-step magnification system, ranging from 1x to 1.6x.

• TWO-STEP MAGNIFICATION:

The ESL-5200 features advanced optics with a convenient two-step magnification system. Easily adjustable during the exam using a lever, it offers magnification settings of 1x and 1.6x.

• WIDE FIELD OF VIEW:

The ESL-5200 features a Cross-Angle Stereovision Converging Binocular Optical System that provides a wide field of view with diameters of Ø18mm, Ø14mm, Ø11.25mm, and Ø9mm. It offers a 51mm to 82mm range of pupil distance (PD) adjustment, depending on the selected eyepiece. The diopter adjustment ranges from ±8D with the 10x eyepiece to ±10D with the 16x eyepiece.

• INTEGRATED CONTROL

JOYSTICK: The integrated joystick provides easy control for sharp image acquisition. The ESL-5200's base allows flexible movement: forward/back, left/right, fine adjustment, and vertical. The joystick enables horizontal fine-tuning and vertical alignment. Once aligned, the base can be locked to prevent sliding.

• ERGONOMICALLY DESIGNED ILLUMINATION CONTROL:

The sleek design ensures effortless operation with precise joystick and knob movements. The illumination lever is conveniently located next to the joystick, while the brightness control switch offers High or Normal settings, making diagnostic procedures simpler.

• HIGH CLARITY LUMINANCE AND BUILT-IN

FILTERS: The ESL-5200 features a high-clarity bulb and four built-in filters that can be easily switched using a selection lever. Filters include a heat absorption filter for patient comfort, a red-free filter for improved contrast, a cobalt blue filter for fluorescein tests, and a grey filter.

• CONTINUOUS SLIT AND APERTURE ADJUSTMENT:

The ESL-5200 offers continuous adjustment of slit width and height, with the slit transforming into a circle at its maximum width. Aperture sizes and slit angles are also fully adjustable, allowing for precise control of illumination, including oblique angles for contact lens evaluations.

• TWO FIXATION TARGETS:

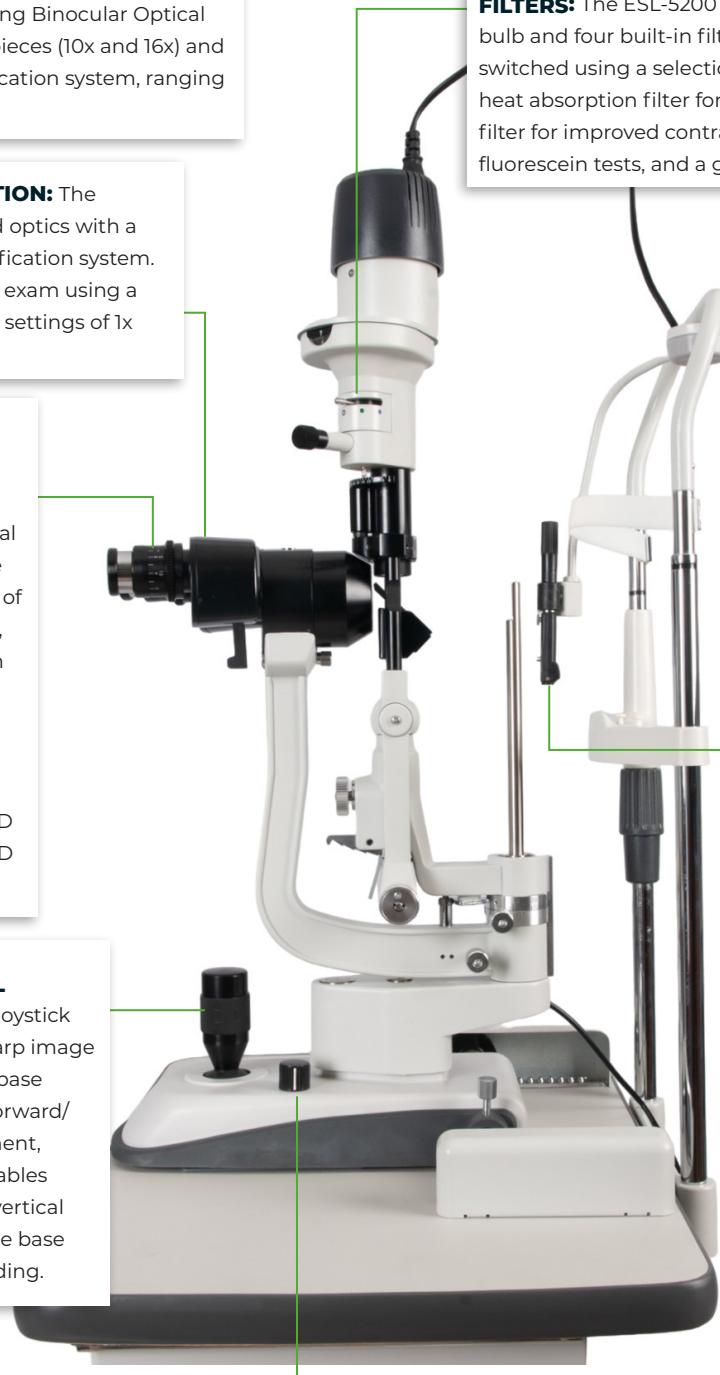
The fixation target with diopter adjustment and diopter compensation.

• APPLANATION TONOMETER:

This slit lamp can be equipped with TN-150 / TN-150B applanation tonometer to measure the intraocular pressure.

• FUNDUS OBSERVATION:

allows for a dilated examination of the fundus and the posterior segment of the vitreous body using a Hruby Lens with the unit's Hruby Lens Holder and Hruby Lens Guide Plate.



SPECIFICATIONS

MICROSCOPE	Type	Cross-Angle Stereo-Vision
	Magnification	Change the objective for 2 grade magnification
	Eyepiece	10x and 16x (optional)
	Total Magnification Rate	Objective x Eyepiece = magnification rate / vision field
		1x 10x 10x ø18mm 1.6x 10x 16x ø14.5mm 1x 16x 16x ø11.25mm 1.6x 16x 25.6x ø9mm
	Range of P.D. Adjustment	10x eyepiece 2.16in to 3.22in (55mm to 82mm) / 16x eyepiece 2in to 3.1in (51mm to 78mm)
	Diopter Adjustment	10x eyepiece ±8D / 16x eyepiece ±10D
ILLUMINATION	Slit Projection Magnification	2/3x
	Slit Width	continuous from 0mm/0in to 9mm/0.35in (at 9mm/0.35in, slit becomes a circle)
	Slit Height	continuous from 1mm/0.04in to 8mm/0.31in
	Aperture Diameter	ø9mm, ø8mm, ø5mm, ø3mm, ø2mm, ø1mm, ø0.2mm
		ø0.35in, ø0.31in, ø0.19in, ø0.12in, ø0.08in, ø0.039in, ø0.008in
	Slit Angle	0° to 180° continuously adjustable from vertical to horizontal
	Slit Inclination	5°, 10°, 15°, 20° four steps
	Filter Piece	heat-absorption, grey, red-free and blue
Illumination Bulb	6V 20W halogen bulb	
MOVEMENT BASE	Back and Forth Movement	90mm/3.54in
	Left and Right Movement	100mm/3.94in
	Fine Vertical Movement	15mm/0.6in 30mm/1.2in
CHIN-REST PARTS	Vertical Movement	80mm/3.15in
	Fixation Target	Red-LED
HURBY LENS	Hurby Lens	-58.7D (optionally available in some regions)
POWER SOURCE	Input Voltage	100/220V ~±10%
	Input Frequency	50/60 Hz
	Input Power	30VA
	Output Voltage	Illumination bulb 0V ~ 6V
		Fixation target 6V
DIMENSION AND WEIGHT	Packing Box	720 x 495 x 480mm 28.34 x 19.5 x 19in
	Total Weight	24 kg / 52.8 Lb
	Net Weight	21 kg / 46.2 Lb