

EVOLUTION ZOOM

FOCUS ON PRECISION.



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Our eyes are one of the most fragile organs in our body. When they require surgery, it is a meticulous and detailed procedure. The Seiler Evolution Zoom Microscope for Ophthalmology provides a detailed look at all areas of the eye. With advanced features such as enhanced Red Reflex, this microscope is designed to provide accurate imaging during cataract surgery, laser eye surgery, and other precision eye surgeries. This microscope also features an XY movement pedal, perfect for hands-free operating. In addition to this state-of-the-art microscope with its built-in features, Seiler offers a variety of accessories to improve any surgeon operation. Items that can be added to this microscope include a beam splitter, camera equipment, an assistant teaching head, and Xenon light. All Seiler Microscopes feature APOchromatic lenses, LED illumination, and an ergonomic sitting position for superior comfort.



X-Y System



Binocular for second observer



Video image capture system



SRI Slim Image re-inverter system for vitrectomy surgery



200° Inclinable binocular head



Hero 4 has been modified so you can select the right lens for a given shot and capture 1080P video.



Easily attach any Sony, Canon, or Nikon DSLR camera directly to the microscope for high quality, razor sharp images.



SeilerMax Adapter for use with wide angle, non-contact lenses

The Seiler Ophthalmology ZOOM surgical microscope incorporates an elegant design and superior optical quality, to offer excellent deep focus with a distorting-free image.



Apochromatic Optics

- Excellent contrast and image definition
- Exceptional depth of focus
- High light transmission enabling work in low lighting conditions
- Residual aberration corrections to improve image quality

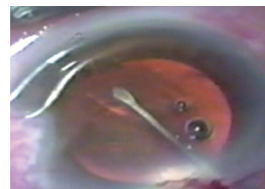
Bright Illumination

- Bright and stable red reflex
- Large illumination field, 60mm
- Blue and red-free filters available
- Quick and precise bulb change mechanism
- LED Illumination

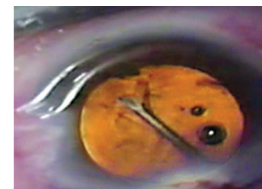
Seiler Red Reflex

Highly Optimized Red Reflex System

Seiler red reflex has been developed and incorporated into the Seiler microscope to provide perfect illumination in any surgical situation, with excellent color, contrast and deep focus performance.



Without Red Reflex



With Red Reflex

Stand

- Robust and stable
- Smooth, precise movement
- Integrated braking system

Advanced Electronic System

- Automatic, stabilized power source for greater security
- Microfocusing and X-Y reset system
- System Tested and certified against electronic shocks and EMI



Electronic Control Panel



Stable floor stand with integrated wheels with blocking system and level adjustment knob



Multifunction foot pedal with on/off switch and illumination intensity, micro focus, zoom and XY device controls

TECHNICAL SPECIFICATIONS

OPTICAL SYSTEM
STANDARD OBJECTIVE
MAGNIFICATIONS
MAGNIFICATION WITH STANDAR OBJECTIVE
FILED OF OBSERVATION

OCULARS
OCULAR DIOPTRER ADJUSTMENT
STANDARD BINOCULAR
INTERPUPILLARY DISTANCE ADJUSTMENTE

MICROFOCUS
MICROFOCUS DISPLACEMENT

STADARD ILLUMINATION
ILLUMINATION FIELD
FILTERS

STANDING
MAXIMUM VERTICAL SHIFT
MAXIMUM REACH
MAXIMUM ROTATION
BASE DIMENSIONS
FOOT PEDAL

VOLTAGE
POWER CONSUMPTION

ACCESSORIES

MOTORIZED XY
SECOND OBSERVER
IMAGE INVERTER FOR VITRECTOMY SURGERIES
OPTIONAL ILLUMINATION SYSTEM
VIDEO SYSTEM
OTHER OBJECTIVES

APOCHROMATIC WITH ALL OPTICAL ABERRATION CORRECTION
250MM
MOTORIZED ZOOM 1:6
FROM 4X TO 23X CONTINUOUS
FROM 8 MM TO 60 MM

12,5 X
- 6D TO + 6D
200 DEGREES (INCLINABLE)
FROM 48MM UP TO 78MM

MOTORIZED (JOYSTIC ON HANDS AND FOOD PEDAL CONTROL)
+/- 20MM

LED SYSTEM UP TO 120K LUX (HALOGEN AVAILABLE)
55MM DIAMETER

HEAT ABSORBING, UV ABSORBING, GREEN, BLUE BLOCKER AND HALOGEN SIMULATOR

MOVABLE WITH PANTOGRAPHIC ARM

0.6M
1.2M
570 DEGREES

840MM X 840MM WITH WHEELS AND LOCKER KNOB
MULTIFUNCTION WATER RESISTANT

FULL RANGE FROM 90VAC UP TO 240VAC ATUOMATICALLY 50 - 60 HZ

200 VA

TOTAL RANGE IN EACH AXIS +/- 22MM

OCULAR 12,5X / BINOCULAR FIXED 45o OR INCLINEBLE 200o AND 360 DEGREES OF ROTATION

SLIM SYSTEM HIGH QUALITY IMAGES

HALOGEN 150W - 80K LUX AND XENON 180W - 150K LUX
IMAGE SPLITTER + CAMERA ADAPTER + DIGITAL CAMERA
175MM, 250MM, 300MM, 350MM AND 400MM

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