



# ES-2350

## ENT Operating Microscope



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OPHTHALMOLOGY / ENT



# ES-2350

## ENT Operating Microscope



### Mounting Options:



• Floor stand



• Fixed ground mount



• Ceiling mount



• Wall mount



• Tabletop Clip

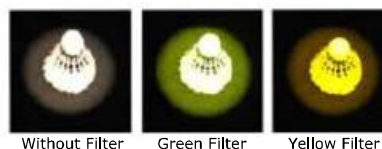
### • Integrated LED Illumination:

20W LED Coaxial Illuminator provides Pure White Color Light similar to sunlight to show real color. It not only avoids the trouble of changing bulbs, but also saves your cost for the spare bulbs and electric charge.

### • Yellow and Green Integrated Filter:

Yellow Filter: Prevents Premature Curing of Composite.

Green Filter: Improves Detail Visibility with a Strong Blood Supply.



Without Filter

Green Filter

Yellow Filter



### • 6-Step Magnification Changer



### • 0-180° Inclined Binocular:

Inclined Binocular features Widest Articulation Range of any Binocular for operator comfort.

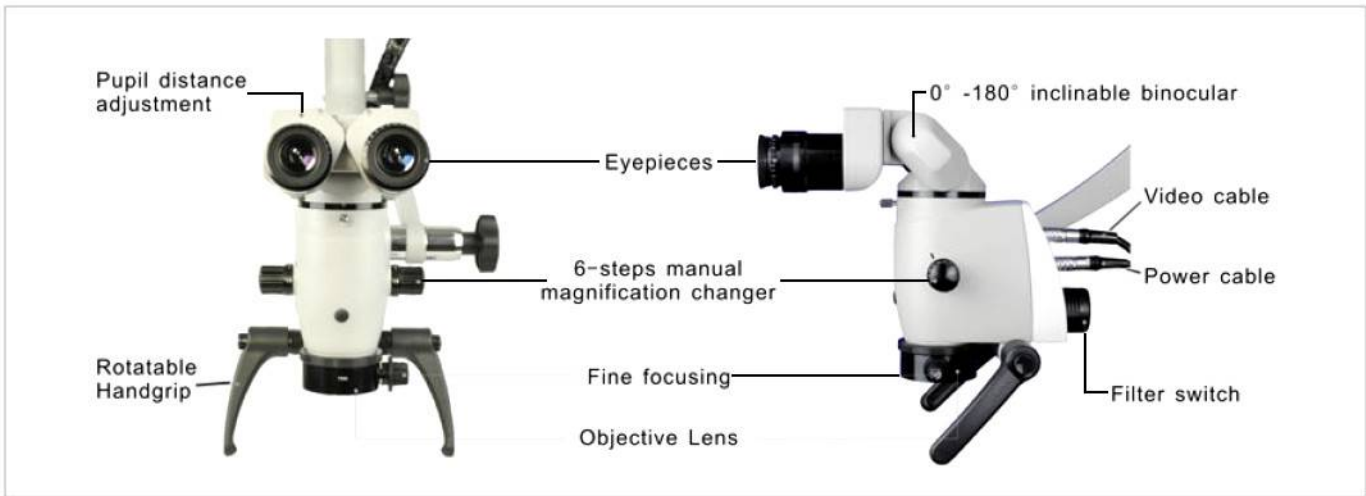
### • Widefield Eyepieces:

The Widefield Eyepieces are screwed in to the tube and have Integrated Eyecups with Stepless Adjustment. The Eyepieces are excellently suited for surgeons who wish to work with their eyeglasses on.

### • Rotatable Handgrip:

Rotatable Handgrip can be adjusted to user's preferred position and enable the user to easily place the OMS in the desired position.





**• Focusing Objective Lens:**

Easy Operation. A variety of working distances are available.

**• Fine Focusing:**

Adjust the focus to your personal needs, without moving the microscope.

**• Brightness Control Knob:**

Allows you to easily adjust the light intensity for any clinical situation.

**• German Optical Glass Inside:**

The Lenses inside the Microscope are made by Schott Optical Glass imported from Germany. All Lenses are Multi-Coated and Anti-Reflective, combining with Infinity Corrected Optical System & brilliant Apochromatic Optics, which offers superb optical performance.

Apochromatic Optics design could Correct the Chromatic Aberration of three types of colored light effectively.

It ensures the reduction and saturation of image color and improves the resolution, contrast and view depth of image.



**• Optional integrated Camera:**



Image collection with USB adapter

PC/computer

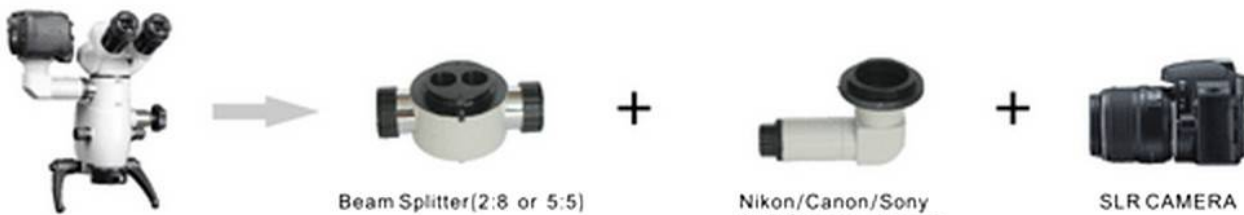
OR



Hard disk recorder

Monitor

**• Optional various adapter and image devices:**



Beam Splitter(2:8 or 5:5)

Nikon/Canon/Sony SLR Camera Adapter

SLR CAMERA





# TECHNICAL DATA

## Magnification system

- 6-steps manual magnification changer
- Six click stop positions
- $\gamma=0.33x, 0.5x, 0.8x, 1.22x, 2.0x, 3.0x$ ;

## Tube (Optional)

- 90 deg inclined binocular tube,  $f=170\text{mm}$
- 0-180 deg inclinable binocular tube,  $f=170\text{mm}$

## Eyepieces (Optional)

- 12.5x, 10x, 16x and 20X widefield eyepieces and have integrated eyecups with stepless adjustment.

## Magnification Range

- e.g. with  $f=250\text{mm}$  lens and 12.5x eyepieces:
- Magnification/Field-of-view diameter:  
2.8x, 4.2x, 6.9x, 10.4x, 17.0x, 25.6x  
78.3mm, 52.1mm, 32.0mm, 21.2mm, 13.0mm, 8.7mm  
with selected components, the above magnification range can be shifted up or down.

## Focusing

- Manual, fine focusing range 12mm
- 5 objective lenses for optional:  
 $f=200\text{mm}$  (with fine focus),  $f=250\text{mm}$  (with fine focus),  
 $f=300\text{mm}$ ,  $f=350\text{mm}$ ,  $f=400\text{mm}$

## Illumination

- LED Illumination, supplies bright, white and shadow-free light, >20,000 hours lifetime \* Yellow and green integrated filter
- Field of view diameter: 50mm with  $f=250\text{mm}$  objective lens

## Balancing system(Optional)

- This coupling offer ultra-light, ultra-smooth and perfect balance during positioning of the microscope or adding several accessories such as camcorder and digital camera.

## Gross Weight

- Floor stand 125kg
- Wall Mount 80kg
- Ceiling Mount 95kg
- Fixed ground Mount 75kg
- Tabletop Clip 45kg



Objective		F = 250 mm					
Illumination Area (Diameter)		63 mm					
Steps of Magnification		0.33x	0.5x	0.8x	1.22x	2x	3x
10x Eyepiece	Total Magnification	2.2	3.4	5.5	8.3	13.6	20.5
	Field Dia. (mm)	78.3	52.1	32.0	21.2	13.0	8.7
12.5x Eyepiece	Total Magnification	2.8	4.2	6.9	10.4	17.0	25.6
	Field Dia. (mm)	78.3	52.1	32.0	21.2	13.0	8.7



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