

**zygon**

[www.zygon.ca](http://www.zygon.ca)

| [info@zygon.ca](mailto:info@zygon.ca)



# **ZOM-101 DBB OPERATING MICROSCOPE**

# Operating Microscope

## ZOM-101 DBB

ZOM-101 DBB is the basic economical high quality series. It use fibre-optic cable for coaxial illumination, with 3 steps zoom body, has total magnification 2.3x~12x, featured with flexible handling and easy operation. It is widely used in hospital for ENT (ear-nose-throat), dental, ophthalmology, gynecology, surgery, orthopedics and etc.



8x Tilting 0~180° Binocular  
For Dental, ENT, Ophthalmology,  
Gynecology



2 Parts Column + Five  
Star Base With Caster



Total Magnification 4.8x~16x,  
Step Zoom Body 0.6x, 1x, 1.6x



10W LED High Brightness  
Light Source



Objectives F=200mm, 250mm,  
300mm, 400mm For Different  
Operating



## Specifications

## ZOM-101 DBB

Binocular Head	Tilting 0°~180°
Main Usage	Dental, ENT, Ophthalmology, Gynecology
Total Magnification	With Objective F=200mm: 6.0x, 10x, 16x With Objective F=250mm: 4.8x, 8.0x, 12.8x
Total Magnification (Optional)	With Objective F=300mm: 4.0x, 6.7x, 10.7x With Objective F=400mm: 3.0x, 5.0x, 8.0x
Eyepiece	WF12.5x/20mm
Head Magnification	8x
Interpupillary Distance	50~80mm Adjustable
Diopter	Both Left & Right Eyetube Diopter Adjustable $\pm 7D$
Zoom Body	3 Steps Zoom: 0.6x, 1.0x, 1.6x
Objective	F=200mm For Ear, Nose, Ophthalmology F=250mm For Dental
Objective (Optional)	F=300mm For Ear, Nose F=400mm For Throat
Focusing	Fine Focusing Range 10mm
Filter	Green, Yellow Filters Built-in
Balancing Arm	2-Part Arm With Universal Joints, Counterweight Adjustable And Lockable
Stand	2-Part Column + Five Star Base With Caster
Illumination System	Coaxial Illumination, 10W LED, Brightness Adjustable, >40000 Lux
Power Supply	Wide Range AC100~240V, DC12V 3A, 36W

# Optional Accessories

## Specifications

## ZOM-101 DBB

Eyepiece	WF10x/23mm
Objective	<ul style="list-style-type: none"> <li>- F=300mm</li> <li>- F=400mm</li> <li>- F=200mm/250mm/300mm Zoom,</li> </ul> Connection Thread: M47x0.5mm(Zeiss) / M65x0.5mm(Leica), Or M47x0.75mm / M51x0.75mm / M56x0.75mm <ul style="list-style-type: none"> <li>- F=200mm/250mm/300mm Zoom, With Splash Cover</li> </ul> Connection Thread: M47x0.5mm(Zeiss) / M65x0.5mm(Leica), Or M47x0.75mm / M51x0.75mm / M56x0.75mm
Adapter	<ul style="list-style-type: none"> <li>- 50:50 Beam-splitter</li> <li>- C-Mount 0.3x For 1/3" Digital Camera</li> <li>- SLR Camera Adapter For NIKON DSLR Or CANON SLR</li> </ul>
Head	<ul style="list-style-type: none"> <li>- Teaching Head, Demonstrator</li> <li>- Tilttable Head,</li> </ul> Inclination Angle: 0-180°, Eyepiece 12.5X/20mm, Interpupillary Distance 50~80mm, Magnification 8x, F=160mm, Distance of Center 22mm. Optional Eyepiece: 10x/23mm <ul style="list-style-type: none"> <li>- Tilttable Head, With PD Adjust Knob</li> </ul> Inclination Angle: 0-180°, Eyepiece 12.5X/20mm, Interpupillary Distance 50~80mm, Magnification 8x, F=160mm, Distance of Center 22mm. Optional Eyepiece: 10x/23mm
Mount	<ul style="list-style-type: none"> <li>- Table Mount Clamp</li> <li>- Wall Mount Bracket</li> </ul>
Monitor Mount	<ul style="list-style-type: none"> <li>- Monitor Mount: 1 Fix Arm And 1 Gas Spring Arm With Tension Adjustable. Band Clamp. Fit 15-27" Screen. VESA Standard 75x75xmm &amp; 100x100mm. Load Capacity 0~8 Kg, Swivel 180°, Tilt -80°~+90°, Rotation 360°</li> <li>- Monitor Mount: 1 Fix Arm And 1 Mechanic Spring Arm With Tension Adjustable. Band Clamp. Fit 15-27" Screen. VESA Standard 75x75xmm &amp; 100x100mm. Load Capacity 0~8 Kg, Swivel 180°, Tilt -80°~+90°, Rotation 360°</li> </ul>

## Optical Characteristics

Eyepiece	WF12.5x/20mm											
	F=200mm			F=250mm			F=300mm (Optional)			F=400mm (Optional)		
Focal Length (mm)												
Zoom Body	1.6x	1.0x	0.6x	1.6x	1.0x	0.6x	1.6x	1.0x	0.6x	1.6x	1.0x	0.6x
Total Magnification	16x	10x	6.0x	12.8x	8.0x	4.8x	10.7x	6.7x	4.0x	8.0x	5.0x	3.0x
Linear Field (mm)	15.0	24.0	40.0	19.0	30.0	50.0	23.0	37.0	60.0	30.0	48.0	80.0
Diameter of Spot (mm)	57.00			71.00			86.00			113.00		
Exit Pupil Distance (mm)	20.00											
Eyepiece	WF10x/23mm											
	F=200mm			F=250mm			F=300mm (Optional)			F=400mm (Optional)		
Focal Length (mm)												
Zoom Body	1.6x	1.0x	0.6x	1.6x	1.0x	0.6x	1.6x	1.0x	0.6x	1.6x	1.0x	0.6x
Total Magnification	12.8x	8.0x	4.8x	10.2x	6.4x	3.8x	8.5x	5.3x	3.2x	6.4x	4.0x	2.4x
Linear Field (mm)	16.0	26.5	43.0	20.0	33.0	53.0	24.5	39.5	64.5	32.0	52.5	85.5
Diameter of Spot (mm)	57.00			71.00			86.00			113.00		
Exit Pupil Distance (mm)	25.00											