

Operating Microscope, One Head 0~180°, Manual Step Zoom, 4.8x~16x, For Dental, ENT, Ophthalmology, Gynecology



Operating Microscopes, 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.



Real Time Display On Computer

Binocular Head: Tilting 0~180°
Main Usage: Dental, ENT, Ophthalmology, Gynecology



Teaching Head, Demonstrator

Digital Camera & Adapter



High Quality Optical System
Work With Digital Camera 5.0M



Beamsplitter And Digital Camera Adapter



Objective F=200mm, 300mm, 400mm
Optional For Dental, ENT,
Ophthalmology, Gynecology

TECHNICAL SPECIFICATIONS

MAKE	LABMICRO
Model	OM4816
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

OPERATION MICROSCOPE OPTIONAL ACCESSORIES

Eyepiece	WF10x/23mm
Objective	F=300mm
	F=400mm
	F=200mm/250mm/300mm Zoom, Connection Thread: M47x0.5mm(Zeiss) / M65x0.5mm(Leica), Or M47x0.75mm / M51x0.75mm / M56x0.75mm, Or Customized According To Customer Requirements
	F=200mm/250mm/300mm Zoom, With Splash Cover Connection Thread: M47x0.5mm(Zeiss) / M65x0.5mm(Leica), Or M47x0.75mm / M51x0.75mm / M56x0.75mm, Or Customized According To Customer Requirements
Adapter	50:50 Beamsplitter
	C-Mount 0.3x For 1/3"Digital Camera
	SLR Camera Adapter For NIKON DSLR Or CANON SLR
Head	Teaching Head, Demonstrator
	Tiltable Head, Inclinable Angle: 0-180°, Eyepiece 12.5X/20mm, Interpupillary Distance 50~80mm, Magnification 8x, F=160mm, Distance of Center 22mm. Optional Eyepiece: 10x/23mm
	Tiltable Head, With PD Adjust Knob Inclinable Angle: 0-180°, Eyepiece 12.5X/20mm, Interpupillary Distance 50~80mm, Magnification 8x, F=160mm, Distance of Center 22mm. Optional Eyepiece: 10x/23mm
Mount	Table Mount Clamp
	Wall Mount Bracket
Monitor Mount	Monitor Mount: 1 Fix Arm And 1 Gas Spring Arm With Tension Adjustable. Band Clamp. Fit 15-27"Screen. VESA Standard 75x75xmm & 100x100mm. Load Capacity 0~8 Kgs, Swivel 180°, Tilt -80°~+90°, Rotation 360°
	Monitor Mount: 1 Fix Arm And 1 Mechanic Spring Arm With Tension Adjustable. Band Clamp. Fit 15-27"Screen. VESA Standard 75x75xmm & 100x100mm. Load Capacity 0~8 Kgs, Swivel 180°, Tilt -80°~+90°, Rotation 360°

OPERATION

MICROSCOPE OPTICAL CHARACTERISTICS

EEPIECE	WF12.5X/20MM											
Focal Length (mm)	F=200mm			F=250mm			F=300mm (Optional)			F=400mm (Optional)		
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	6.0x	4.0x	8.0x	5.0x	3.0x
Linear Field (mm)	15mm	24mm	40mm	19mm	30mm	50mm	23mm	37mm	60mm	30mm	48mm	80mm
Diameter of Spot (mm)	57mm			71mm			86mm			113mm		
Exit Pupil Distance (mm)	20mm											
EEPIECE	WF10x/23mm											
Focal Length (mm)	F=200mm			F=250mm			F=300mm (Optional)			F=400mm (Optional)		
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	6.4x	8.5x	5.3x	3.2x	6.4x	4.0x	2.4x
Linear Field (mm)	16mm	26.5mm	43mm	20mm	33mm	53mm	24.5mm	39.5mm	64.5mm	32mm	52.5mm	85.5mm
Diameter of Spot (mm)	57mm			71mm			86mm			113mm		
Exit Pupil Distance (mm)	25mm											