

STEREO MICROSCOPES SERIES



SMZ140 SERIES

SMZ140 Series - Small but powerful

The standard magnification range 10X-40X perfectly fits to educational environments of schools and universities, but also to QC laboratories in industry. The small footprint is designed for limited bench space and easy storage. The combination of incident and transmitted light makes the instruments suitable for a large variety of transparent and opaque samples. The Field of View (20mm) allows a good overview, at the same time giving details information by zooming-in with 4 defined click-stops for reproducible measuring results. Additional eyepieces and objectives help to upgrade the standard setups in terms of magnification. Darkfield or POL contrast: the SMZ140 series offers further options to adapt the instrument to the specific demands of your sample.

DIGITAL MICROSCOPY SOLUTIONS

Discover the possibilities and benefits of connecting a Moticam camera onto your microscope. Multiply your teaching options, improve teaching efficiency!

USB Starter Line | Moticam A Series, an ideal and affordable introduction to Digital Microscopy, great for schools or small laboratories.

Wi-Fi Cameras | Moticam X Series, a unique solution to turn your old microscope into a Wi-Fi station.







MOTICAMSERIES



EYEPIECES (PER PIECE)

ACCESSORIES

Widefield eyepiece WF5X/22mm Widefield eyepiece WF10X/20mm Widefield eyepiece WF15X/13mm Widefield eyepiece WF20X/10mm Widefield eyepiece WF30X/8mm

MICROMETER EYEPIECES (WF10X/20mm)

140 divisions in 14mm and crosshair 70 divisions in 14mm

360° protractor with 1° divisions and crosshair

100 divisions in 10mm

OBJECTIVES

Objective 0.35X (WD=200mm)*
Objective 0.5X (WD=133mm)
Objective 0.63X (WD=110mm)
Objective 0.75X (WD=89mm)
Objective 1.5X (WD=33mm)

PHOTO AND C-MOUNT CAMERA ADAPTERS

2X SLR Projection lens

0.4X C-mount camera adapter for 1/4" and 1/3" chip sensors

0.5X C-mount camera adapter for 1/2" and 2/3" chip sensors



POLARIZING EQUIPMENT

B.301 for N2LED

DARKFIELD EQUIPMENT

Darkfield attachment with iris diaphragm

Jewellery clamp

SPARE PARTS

Aluminium box



SMZ140 N2LED

SMZ143 N2LED





Optical System ● ● Greenough ● ● Discourtin Tube ● ● Binocular head ● ● Trinocular head ● ● 1netropillary distance ● ● 2+76mm ● ● Object value ● ● Inclination ● ● 45° Inclined, 360° rotating ● ● Eyepiece ● ● WFLOX/20mm ● ● Objectives system ● ● Xoom, ratio 1-4 ● ● Discovers sagnification ● ● 10-4/X ● ● 80mm ● ● 80mm ● ● 80mm ● ● Policy stand with transmitted illumination ● ● 32mm, 210mm high ● ● 4Badm column and 074mm head with incident illumination ● ● 6cross focusing system w			
Observation Tube Binacular head ■ Trinocular head ■ ■ Interpupillary distance ■ ■ 54 - 76mm ■ ■ ■ Diopter adjustment ■ ■ ■ ■ Inclination ■ <td>Optical System</td> <td></td> <td></td>	Optical System		
Binocular head	Greenough	•	•
Trinocular head ● 54-76mm ● Diopter adjustment ● On both tubes, -4-5 diopter ● Inclination ■ 45° inclined, 360° rotating ● Eyepieces ● WFLOX20mm ● Objectives system ● 20m, ratio1.44 ● Objectives magnification ■ 1X-4X ● Working distance ● 80mm ● Pole type stand with transmitted illumination ● 632mm, 210mm high ● Head holder ● For Ø32mm courns and Ø74mm head with incident illumination ● Focus mechanism ● Coarse focusing system with tension adjustment ● Focusing stoke ● 45mm ● Incident illumination ● 3W LED with intensity control ● Accessories included ●	Observation Tube		
Interpupillary distance ● ● 54-76mm ● ● Diopter adjustment ● ● On both thubes, 47-5 diopter ● ● Inclination ● ● 85' inclined, 360' rotating ● ● Eyepieces ● ● WF10W20mm ● ● Objectives system ● ● Zoom, ratio1:4 ● ● Objectives magnification ● ● Xt-4X ● ● 80mm ● ● 80mm ● ● 80mm ● ● 80am ● ●	Binocular head	•	
54-76mm ● ● Diopter adjustment ● ● On both tubes , +/- 5 diopter ● ● Inclination ● ● 45° inclined, 360° rotating ● ● Eyepieces Percentage ● WF10X/20mm ● ● Objectives system ● ● Zoom, ratio1.4 ● ● Objectives magnification ● ● 1X-4X ● ● 80mm ● ● 80am Policy pe stand with transmitted illumination ● ● 80am 2 ● ● 80am 2 ● ●	Trinocular head		•
Diopter adjustment ● ● Inclination ● ● 45° inclined, 360° rotating ● ● Eyepieces ● ● WF10X/20mm ● ● Objectives system ● ● 20m, ratio1-4 ● ● ● Objectives magnification ● ● ● 1X-4X ● ● ● 80mm ● ● ● Stand ● ● ● Pole type stand with transmitted illumination ● ● ● 82mm ●	Interpupillary distance		
On both tubes, +/- 5 diopter ● ● Inclination ●	54-76mm	•	•
Inclination 45° inclined, 360° rotating ●	Diopter adjustment		
Eyepieces Company Company	On both tubes , +/- 5 diopter	•	•
Eyepieces MF10X/20mm ●	Inclination		
WF10X/20mm ● ● Objectives system ● ● Zoom, ratio1:4 ● ● Objectives magnification ● ● 1X~4X ● ● Working distance ● ● 80mm ● ● Stand ● ● Pole type stand with transmitted illumination ● ● Column/Arm ● ● Ø32mm, 210mm high ● ● Head holder ● ● For Ø32mm column and Ø74mm head with incident illumination ● ● Focus mechanism ● ● Coarse focusing system with tension adjustment ● ● Focusing stoke ● ● 45mm ● ● ● Incident illumination ● ● 3W LED with intensity control ● ● Transmitted illumination ● ● 3W LED with intensity control ● ● Accessorie	45° inclined, 360° rotating	•	•
Objectives system ● ● Zoom, ratio1:4 ● ● Objectives magnification USTACK ● IX-4X ● ● Working distance USTACK ● 80mm ● ● Stand ● ● Pole type stand with transmitted illumination ● ● Column/Arm ● ● Ø32mm, 210mm high ● ● Head holder ● ● Focus mechanism ● ● Coarse focusing system with tension adjustment ● ● Focusing stoke ● ● 45mm ● ● ● Incident illumination ● ● ● 3W LED with intensity control ● ● ● Transmitted illumination ● ● ● 3W LED with intensity control ● ● ● Accessories included ● ● ●	Eyepieces		
Zoom, ratio1:4 ● ● Objectives magnification ● ● 1X-4X ● ● Working distance ● ● 80mm ● ● Stand ● ● Pole type stand with transmitted illumination ● ● Column/Arm ● ● Ø32mm, 210mm high ● ● Head holder ● ● For Ø32mm column and Ø74mm head with incident illumination ● ● Coarse focusing system with tension adjustment ● ● Focusing stoke ● ● 45mm ● ● Incident illumination ● ● 3W LED with intensity control ● ● Transmitted illumination ● ● 3W LED with intensity control ● ● Accessories included ● ●	WF10X/20mm	•	•
Objectives magnification 1X-4X ● ● Working distance ● ● 80mm ● ● Stand ● ● Pole type stand with transmitted illumination ● ● Column/Arm ● ● Ø32mm, 210mm high ● ● Head holder ● ● For Ø32mm column and Ø74mm head with incident illumination ● ● Focus mechanism ● ● Coarse focusing system with tension adjustment ● ● Focusing stoke ● ● 45mm ● ● Incident illumination ● ● 3W LED with intensity control ● ● Transmitted illumination ● ● 3W LED with intensity control ● ● Accessories included ● ●	Objectives system		
Norking distance 80mm Stand Pole type stand with transmitted illumination Column/Arm Ø32mm, 210mm high Head holder For Ø32mm column and Ø74mm head with incident illumination Coarse focusing system with tension adjustment Focus mechanism Coarse focusing system with tension adjustment Focusing stoke 45mm 3W LED with intensity control Transmitted illumination W LED with intensity control	Zoom, ratio1:4	•	•
Working distance 80mm • • • • • • • • • • • • • • • • • • •	Objectives magnification		
Stand Pole type stand with transmitted illumination Column/Arm Ø32mm, 210mm high Head holder For Ø32mm column and Ø74mm head with incident illumination Focus mechanism Coarse focusing system with tension adjustment Focusing stoke 45mm Incident illumination 3W LED with intensity control Transmitted illumination 3W LED with intensity control Accessories included	1X~4X	•	•
Stand Pole type stand with transmitted illumination Column/Arm Ø32mm, 210mm high Head holder For Ø32mm column and Ø74mm head with incident illumination Focus mechanism Coarse focusing system with tension adjustment Focusing stoke 45mm Incident illumination 3W LED with intensity control Transmitted illumination 3W LED with intensity control Accessories included	Working distance		
Pole type stand with transmitted illumination Column/Arm Ø32mm, 210mm high Head holder For Ø32mm column and Ø74mm head with incident illumination Focus mechanism Coarse focusing system with tension adjustment Focusing stoke 45mm Incident illumination 3W LED with intensity control Transmitted illumination 3W LED with intensity control Accessories included	80mm	•	•
Column/Arm ● ● Ø32mm, 210mm high ● ● Head holder Use of Marcham head with incident illumination ● ● For Ø32mm column and Ø74mm head with incident illumination ● ● Focus mechanism Use of Course focusing system with tension adjustment ● ● Focusing stoke Use of Course focusing system with tension adjustment ● ● 45mm ● ● ● Incident illumination Use of Course focusing system with tensity control ● ● 3W LED with intensity control ● ● ● Transmitted illumination ● ● ● 3W LED with intensity control ● ● ● Accessories included ● ● ●	Stand		
Ø32mm, 210mm high ● ● Head holder U For Ø32mm column and Ø74mm head with incident illumination ● ● Focus mechanism U Coarse focusing system with tension adjustment ● ● Focusing stoke U 45mm ● ● ● Incident illumination U ● ● 3W LED with intensity control ● ● ● Transmitted illumination ● ● ● 3W LED with intensity control ● ● ● Accessories included ● ● ●	Pole type stand with transmitted illumination	•	•
Head holder For Ø32mm column and Ø74mm head with incident illumination Focus mechanism Coarse focusing system with tension adjustment Focusing stoke 45mm Incident illumination 3W LED with intensity control Transmitted illumination 3W LED with intensity control Accessories included	Column/Arm		
For Ø32mm column and Ø74mm head with incident illumination Focus mechanism Coarse focusing system with tension adjustment Focusing stoke 45mm Incident illumination 3W LED with intensity control Transmitted illumination 3W LED with intensity control Accessories included	Ø32mm, 210mm high	•	•
Focus mechanism Coarse focusing system with tension adjustment Focusing stoke 45mm Incident illumination 3W LED with intensity control Transmitted illumination 3W LED with intensity control Accessories included	Head holder		
Coarse focusing system with tension adjustment Focusing stoke 45mm Incident illumination 3W LED with intensity control Transmitted illumination 3W LED with intensity control Accessories included	For Ø32mm column and Ø74mm head with incident illumination	•	•
Focusing stoke 45mm Incident illumination 3W LED with intensity control Transmitted illumination 3W LED with intensity control Accessories included	Focus mechanism		
45mm	Coarse focusing system with tension adjustment	•	•
Incident illumination 3W LED with intensity control Transmitted illumination 3W LED with intensity control Accessories included	Focusing stoke		
3W LED with intensity control Transmitted illumination 3W LED with intensity control Accessories included	45mm	•	•
Transmitted illumination 3W LED with intensity control Accessories included • • • • • • • • • • • • • • • • • •	Incident illumination		
3W LED with intensity control Accessories included	3W LED with intensity control	•	•
Accessories included	Transmitted illumination		
	3W LED with intensity control	•	•
Black, white and frosted stage plates and dust cover	Accessories included		
	Black, white and frosted stage plates and dust cover	•	•





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