

Motic[®]

MORE THAN MICROSCOPY



ED

SMZ140 SERIES

STEREO MICROSCOPES SERIES



SMZ140 SERIES

Small but powerful – this combination characterizes the stereo microscopes of the SMZ140 series.

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

The combination of a Motic microscope with a member of the Moticam Series enables to display and to share excellent live images for presentations and discussions. Discover the possibilities and benefits of connecting a Moticam camera onto your microscope. Multiply your teaching options, improve teaching efficiency!

Standard Live Resolution | Moticam 1 and 2, an ideal and affordable introduction to Digital Microscopy, great for schools or small laboratories.

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



MOTICAMSERIES



ACCESSORIES

EYEPIECES (PER PIECE)

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 N2GG

B.301K for FBLED (to be used with frosted glass stage plate)

DARKFIELD EQUIPMENT

Darkfield attachment with iris diaphragm

Jewellery clamp

SPARE PARTS

Aluminium box

** to be used with an industrial stand*



SPECIFICATIONS

SMZ140 SERIES

SMZ140 N2GG

SMZ143 N2GG

SMZ140 N2LED

SMZ143 N2LED



Optical System				
Greenough	●	●	●	●
Observation Tube				
Binocular head	●		●	
Trinocular head		●		●
Interpupillary distance				
54-76mm	●	●	●	●
Diopter adjustment				
On both tubes , +/- 5 diopter	●	●	●	●
Inclination				
45° inclined, 360° rotating	●	●	●	●
Eyepieces				
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 stroke				
49mm	●	●	●	●
Incident illumination				
Halogen 12V/15W with intensity control	●	●		
3W LED with intensity control			●	●
Transmitted illumination				
Halogen 12V/10W with intensity control	●	●		
3W LED with intensity control			●	●
Accessories included				
Black, white and frosted stage plates and dust cover	●	●	●	●



Canada | USA | Europe | China



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Design Change: The manufacturer reserves the right to make changes in instrument design in accordance with scientific and mechanical progress, without notice and without obligation.

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