

**Motic®**

MORE THAN MICROSCOPY



# SMZ140 SERIES

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



## 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

10 YEARS WARRANTY



#### **POLARIZING EQUIPMENT**

B.301 for N2LED

#### **DARKFIELD EQUIPMENT**

Darkfield attachment with iris diaphragm

Jewellery clamp

#### **SPARE PARTS**

Aluminium box

*\* to be used with an industrial stand*



# SPECIFICATIONS

## SMZ140 SERIES

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		
45mm	●	●
Incident illumination		
3W LED with intensity control	●	●
Transmitted illumination		
3W LED with intensity control	●	●
Accessories included		
Black, white and frosted stage plates and dust cover	●	●





## MOTIC EUROPE

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