

**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 1SP, 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*





## SMZ140 SERIES SPECIFICATIONS



SMZ140



SMZ143

### Optical System

Greenough

### Observation Tube

Binocular (SMZ140) or trinocular (SMZ143) 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

### Transmitted illumination

Halogen 12V/10W with intensity control

### Accessories included

Black, white and frosted stage plates and dust cover

# Motic®

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[www.moticeurope.com](http://www.moticeurope.com)

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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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Official Distributor: