

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 / or LED

Transmitted illumination

Halogen 12V/10W with intensity control / or LED

Accessories included

Black, white and frosted stage plates and dust cover



Canada | China | Germany | Spain | USA



www.moticeurope.com

EN | ES | FR | DE | IT | PT

Motic Instruments Inc. (Canada)

130 - 4611 Viking Way, Richmond, BC V6V 2K9 Canada
Tel: 1-877-977 4717 | Fax: 1-604-303 9043

Motic Deutschland GmbH (Germany)

Christian-Kremp-Strasse 11, D-35578 Wetzlar, Germany
Tel: 49-6441-210 010 Fax: 49-6441-210 0122

Motic Hong Kong Limited (Hong Kong)

Rm 2907-8, Windsor House, 311 Gloucester Road, Causeway Bay, Hong Kong
Tel: 852-2837 0888 | Fax: 852-2882 2792

Motic Spain, S.L. (Spain)

Polígono Industrial Les Corts, Camí del Mig, 112 08349 Cabrera de Mar, Barcelona, Spain
Tel: 34-93-756 6286 | Fax: 34-93-756 6287

*CCIS® is a trademark of Motic Incorporation Ltd.

Motic Incorporation Limited Copyright © 2002-2015. All Rights Reserved.

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.

Designed in Barcelona (Spain)

September 2015



Official Distributor: