Motic®

MORE THAN MICROSCOPY

SILVER LINE

OUR OFFSPRING - OUR FUTURE:
A SERIES OF HIGH-GRADE MICROSCOPES



EDU

Sophisticated
Innovative
Luxurious
Versatile
Evolution
Reliable

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SILVER152iX



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SILVER253
SILVER252iX



SILVER LINE

As noble as a precious material, as solid as a massive metal: Motic's SILVERLINE is founded on decades of experience in the manufacturing of light microscopes. The result: Powerful scientific tools with a long lifetime, ready for the digital age with its interactive teaching requirements. Innovative technology finally leads to reliable teaching: A new chance for encouraging first steps into science, motivating both students and teachers on their way.

Any model of the SILVERLINE simply convinces by innovative design, excellent optics and a smooth run of mechanics. A rough classroom use will not cause any problem. The durability of each member of the SILVERLINE ensures a hassle-free usage for years.

The SILVERLINE offers a wide range of powerful compound and stereo microscopes ready for wireless image transfer by tablet and smartphone, simply for state-of-the-art teaching in the 21st century.

We are constantly listening to the demands of our customers, working on effective solutions to facilitate your daily work.

10YEARS SILVER LINE WARRANTY

Our intention is to supply products of maximum lifetime and hassle-free usage. A 10-Year Limited Warranty shows our confidence in our workmanship, making every microscope a solid investment.

Your Motic Europe Team



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SILVER100 SERIES



SILVER100



SILVER120





SOLID MANUFACTURING, STUDENT-PROOF FEATURES, GREAT PERFORMANCE: THE SILVER 100 MODELS ARE IDEAL FOR BASIC EDUCATION UP TO HIGH SCHOOL LEVEL

The SILVER100 models represent technical innovation, quality, and student-proof features, offering a range of compound microscopes for elementary schools up to High school.

The cordless LED illumination provides a bright Transmitted light for a homogeneous image background and good contrast. The minimized heat development facilitates the examination of living samples in biology, the built-in carrying handle allows easy storage or even a transport to open air activities without the need of a power network.

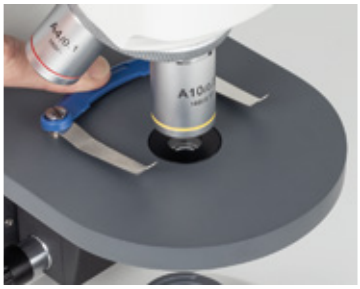
- ERGONOMIC AND "STUDENT-PROOF" DESIGN
- CORDLESS LED ILLUMINATION
- BUILT-IN CARRYING HANDLE
- LED BATTERY LEVEL INDICATOR

SILVER100 SERIES MODELS
SILVER100 | SILVER120





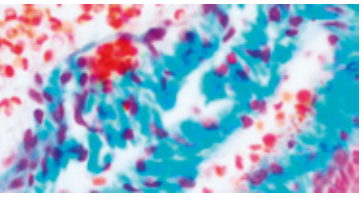








MAIN DIFFERENCES	SILVER100	SILVER120
STAGE		
Plain stage with “one-touch” samples clips	●	
Coaxial mechanical stage with sample holder		●



SILVER100 SERIES
SPECIFICATIONS





Main differences between models

	SILVER100	SILVER120
Optical System		
Finite optical system, 160mm	●	●
Observation Tube		
Monocular	●	●
Inclination		
30° inclined, 360° rotating	●	●
Eyepieces		
WF10X/18mm with Pointmaster reticle, lockable	●	●
Nosepiece		
Reversed quadruple revolving nosepiece with click stops	●	●
Achromatic Objectives (DIN) - Lockable		
4X/0.10, 10X/0.25, 40X/0.65/S	●	●
Stage		
Plain stage with “one-touch” sample holder	●	
Built-in low position coaxial mechanical stage with sample holder		●
Stage size		
140x120mm	●	
140x140mm		●
Condenser		
Built-in 0,65 N.A. with iris diaphragm and frosted filter	●	
Spiral mounted Abbe 1,25 N.A. with iris diaphragm		●
Focus mechanism		
Separate coarse and fine focusing system	●	●
Minimum Fine focus precision		
2 µm	●	●
Z-axis movement		
7mm	●	●
Illumination		
Rechargeable incident and transmitted LED illumination, 20mA, 3.5V, 70mW with intensity control	●	●

SILVER150 SERIES





SILVER152



SILVER153



SILVER152iX



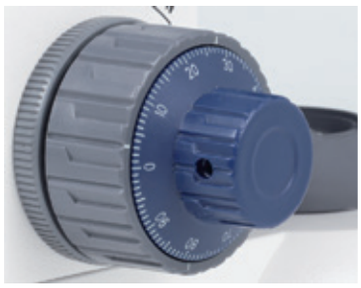
MICROSCOPES FOR HIGH SCHOOL EDUCATION. ADVANCED TECHNOLOGY FOR THE ADOLESCENTS. IMPLEMENTATION OF DIGITAL TOOLS IS PREPARED OR PERFORMED

The SILVER 150 models carry precise Infinity optics for advanced demands. Coaxial focusing, binocular viewing, coaxial mechanical stage: Features designed for the adult age.

All models of this series show professional features for advanced microscopy. Comfortable viewing with a FOV 20 is easy, at the same time the microscopes are prepared for digital imaging. The photo port with included C-mount adapter or a built-in 4MP Wi-Fi camera (152iX) are ready for a professional setup of a documentation station with tablet/smartphone access.

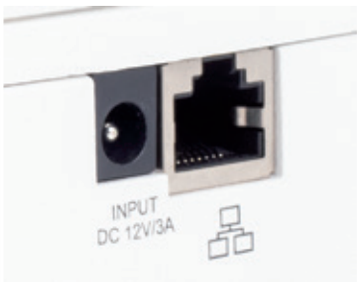
- BINOCULAR VIEWING WITH FOV 20
- INFINITY PLAN ACHROMATS
- COAXIAL FOCUS DRIVE
- DIGITAL PORTS AVAILABLE

SILVER150 SERIES MODELS
SILVER152 | SILVER153 | SILVER152iX



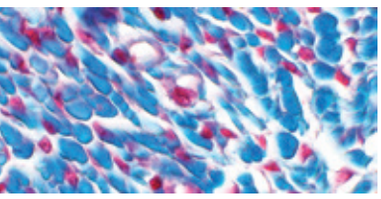








MAIN DIFFERENCES	SILVER152	SILVER153	SILVER152iX
OBSERVATION TUBE			
Binocular Siedentopf type	●		
Trinocular Siedentopf type		●	
Binocular with built-in digital camera			●



SILVER150 SERIES
SPECIFICATIONS



Main differences between models

	SILVER152	SILVER153	SILVER152iX
Optical System			
Infinity optical system	●	●	●
Observation Tube			
Binocular Siedentopf type	●		
Trinocular Siedentopf type		●	
Binocular Siedentopf type with built-in digital camera			●
Inclination			
30° inclined, 360° rotating	●	●	●
Built-in Digital Camera			
Camera Sensor: CMOS 1/3" - 4MP - Live display through Wi-Fi 1920x1080 pixels			●
Output: Wi-Fi			●
Camera adapter			
0,4X C-Mount adapter		●	
Interpupillary distance			
55-75mm	●	●	●
Diopter adjustment			
On the left tube, +/- 5 diopter	●	●	●
Eyepieces			
WF10X/20mm	●	●	●
Nosepiece			
Reversed quadruple revolving nosepiece with click stops	●	●	●
Infinity Plan Achromatic Objectives (DIN)			
4X/0.10, 10X/0.25, 40X/0.65/S, 100X/1.25/S/Oil	●	●	●
Stage			
Built-in low position coaxial mechanical stage with sample holder	●	●	●
Stage size			
140mm x 140mm	●	●	●
Travel range X&Y			
77x50mm	●	●	●
Condenser			
Spiral mounted 1.25 N.A. Abbe condenser with iris diaphragm	●	●	●
Focus mechanism			
Coaxial coarse and fine focusing system	●	●	●
Minimum Fine focus precision			
2 µm	●	●	●
Illumination			
Rechargeable LED illumination, 0,5W with intensity control	●	●	
LED illumination, 0,5W with intensity control			●

SILVER250 SERIES





SILVER252



SILVER253



SILVER252iX



MICROSCOPES FOR COLLEGE STUDENTS AND BUDGET-MINDED LABS. EASY UPGRADE WITH CONTRAST METHODS FOR DEMANDING SAMPLES

The SILVER250 Series cares especially about professional illumination. Mucosa smears, unstained sections, living samples from a treatment plant: advanced studies and reliable results are possible with additional Phase contrast or Darkfield, powered by a 3W LED light source.

A professional documentation station is performed by using the photo port (with included C-mount adapter) or a built-in 4MP Wi-Fi camera (252iX) with tablet/smartphone access. The free MotiConnect App allows to capture high-quality images, to measure and to edit. Share the microscope experience with others and make your microscopy experience unique.

POWERFUL 3W LED ILLUMINATION

CONDENSER WITH SLOT FOR PHASE CONTRAST AND DARKFIELD SLIDER

COAXIAL FOCUSING SYSTEM WITH TENSION ADJUSTMENT

SILVER250 SERIES MODELS
SILVER252 | SILVER253 | SILVER252iX





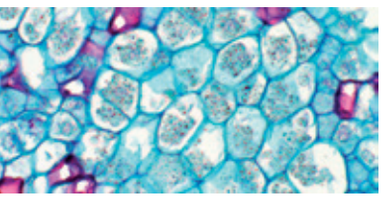








MAIN DIFFERENCES	SILVER252	SILVER253	SILVER252iX
OBSERVATION TUBE			
Binocular Siedentopf type	●		
Trinocular Siedentopf type		●	
Binocular with built-in digital camera			●



SILVER250 SERIES
SPECIFICATIONS



Main differences between models

	SILVER252	SILVER253	SILVER252iX
Optical System			
Infinity optical system	●	●	●
Observation Tube			
Binocular Siedentopf type	●		
Trinocular Siedentopf type		●	
Binocular Siedentopf type with built-in digital camera			●
Inclination			
30° inclined, 360° rotating	●	●	●
Built-in Digital Camera			
Camera Sensor: CMOS 1/3" - 4MP - Live display through Wi-Fi 1920x1080 pixels			●
Output: Wi-Fi			●
Camera adapter			
0,4X C-Mount adapter		●	
Interpupillary distance			
55-75mm	●	●	●
Diopter adjustment			
On the left tube, +/- 5 diopter	●	●	●
Eyepieces			
WF10X/20mm	●	●	●
Nosepiece			
Reversed quadruple revolving nosepiece with click stops	●	●	●
Infinity Plan Achromatic Objectives (DIN)			
4X/0.10, 10X/0.25, 40X/0.65/S, 100X/1.25/S/Oil	●	●	●
Stage			
Built-in low position coaxial mechanical stage with sample holder	●	●	●
Stage size			
140mm x 140mm	●	●	●
Travel range X&Y			
77x50mm	●	●	●
Condenser			
Rack & pinion focusable 1.25 N.A. Abbe condenser with iris diaphragm	●	●	●
Focus mechanism			
Coaxial coarse and fine focusing system	●	●	●
Minimum Fine focus precision			
2 µm	●	●	●
Illumination			
LED illumination, 3W with intensity control	●	●	●

SILVER30 SERIES





SILVER30B



SILVER30S



SILVER39Z



STEREO MICROSCOPES, PERFECT FOR EDUCATION. ADVANCED HOBBYISTS WILL LIKE THE VARIABLE LED-ILLUMINATION FOR ALL KINDS OF SAMPLES

The SILVER T30 Series represents basic stereo microscopes with an astonishing optical performance. Choose between a magnification changer setup and a zoom system for an extra ease of use.

All models have a “cordless” power supply for open air activities without the need of a power network. The bright LED illumination is suitable for opaque and transparent samples, for crystals, flowers and insect wings. An implemented dioptre compensation allows a relaxed viewing for hours. The built-in carrying handle ensures a comfortable excursion to outdoor locations. Charge your batteries and start your field trip.

BRIGHT LED ILLUMINATION

MAGNIFICATION CHANGER OR ZOOM SYSTEM

“ONE-TOUCH” STAGE CLIPS FOR SAMPLE FIXATION



SILVER39Z-T

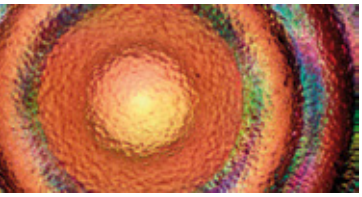
SILVER30 SERIES MODELS
SILVER30B | SILVER30S
SILVER39Z | SILVER39Z-T








MAIN DIFFERENCES	SILVER30B	SILVER30S	SILVER39Z	SILVER39Z-T
OBJECTIVES SYSTEM				
Turret changer by rotating knob	●	●		
Zoom, ratio 3:1			●	●
OBSERVATION TUBE				
Binocular	●	●	●	
Trinocular				●



SILVER30 SERIES
SPECIFICATIONS






Main differences between models

	SILVER30B	SILVER30S	SILVER39Z	SILVER39Z-T
Optical System				
Greenough	●	●	●	●
Observation Tube				
Binocular	●	●	●	
Trinocular				●
Inclination				
45° inclined, rotating	●	●	●	●
Interpupillary distance				
49-70mm	●	●	●	●
Eyepieces				
WF10X/20mm	●	●	●	●
Diopter adjustment				
On the left eyepiece, +/- 5 diopter	●	●	●	●
Objectives system				
Turret changer by rotating knob	●	●		
Zoom, ratio 3:1			●	●
Objectives magnification				
1X - 3X	●			
2X - 4X		●		
1X ~ 3X Zoom			●	●
Working distance				
68mm			●	●
70mm	●	●		
Stand				
Fixed arm type stand	●	●	●	●
Base				
284mm x 187mm	●	●	●	●
Column/Arm				
231mm	●	●	●	●
Head holder				
Fixed	●	●	●	●
Focus mechanism				
Coarse focusing system with tension adjustment	●	●	●	●
Focusing stoke				
50mm	●	●	●	●
Incident illumination (Turret and arm)				
Rechargeable LED 3.5V/150mA with intensity control	●	●	●	●
transmitted illumination				
Rechargeable LED 3.5V/150mA with intensity control	●	●	●	●

DIGITAL CAMERAS

Our selection of cameras for you:

USB CAMERAS





LIVE IMAGES FOR DIRECT CLASSROOM WORK. BUILD UP YOUR DATABASE FOR EXTENDED TEACHING OPTIONS THROUGH COMPUTER, LAPTOP AND SMARTPHONE

Every classroom has got its unique teaching situation. To share representative images nevertheless is a common task. The combination of a SilverLine microscope with a member of the Moticam Series enables to display and to share excellent live images for presentations and discussions. The camera package includes the easy-to-use Motic Images Plus software to save still images and to record videos. Editing, measurements and printing are easily done.

For group work in a classroom, the option of image data transfer through Wi-Fi suits perfectly to tablet and smartphone devices. Moticam X is the most affordable external camera to send a live image to a maximum of 6 student recipients. An easy way to make teaching more interactive and exciting. As in Moticam X5 , a student can capture, edit and share images with our free App MotiConnect. Integrated Wi-Fi cameras (models 152iX, 252iX) are connected and operated the same way!

Adapting a Motic camera to your SilverLine microscope is quite easy: For Trinocular stands, the appropriate C-mount is included in the microscope package. The eyepiece adapter from the camera package is used for monocular/binocular models without photo port. In any case, digital documentation is an easy way.

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

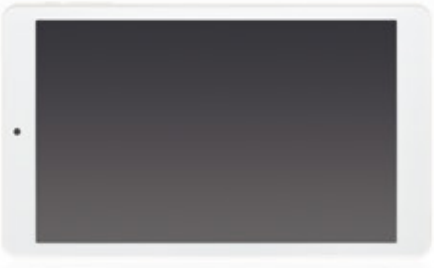
Full HD CAMERAS



WI-FI CAMERAS



TABLET SOLUTIONS



ACCESSORIES

SILVER 100 SERIES

SILVER 150 SERIES



Eyepieces (per piece)
Huygens eyepiece H5X/14.5mm
Widefield eyepiece WF10X/18mm
Widefield eyepiece WF10X/18mm with POINTMASTER® eyepiece reticle
Widefield eyepiece WF10X/20mm
Widefield eyepiece WF15X/12mm
Widefield eyepiece WF20X/11mm

Reticles
Reticle with 100 divisions in 10mm and crosshair (Ø19mm)
Reticle holder for 18mm eyepiece

Achromatic objectives, lockable
Achromatic objective 4X/0.10
Achromatic objective 10X/0.25
Achromatic objective 40X/0.65/S
Achromatic objective 100X/1.25/S - Oil

Spare parts
Dust cover
Immersion oil 5ml
Cleaning kit
Lens tissue paper (Pack 500)
Motic slides 76x25mm (50 units)
Motic coverslips 22x22mm (100 units)
Aluminium box

Spare bulbs
LED 20mA, 3.5V, 70mW

Eyepieces (per piece)
Huygens eyepiece H5X/14.5mm
Widefield eyepiece WF10X/20mm
Widefield eyepiece WF15X/12mm
Widefield eyepiece WF20X/11mm

Reticles
Reticle with 100 divisions in 10mm and crosshair (Ø21mm)
Reticle holder for 20mm eyepiece

Plan infinity objectives
Plan infinity objective PL 4X/0.1
Plan infinity objective PL 10X/0.25
Plan infinity objective PL 40X/0.65/S
Plan infinity objective PL 100X/1.25/S - Oil

Spare parts
Dust cover
Immersion oil 5ml
Cleaning kit
Lens tissue paper (Pack 500)
Motic slides 76x25mm (50 units)
Motic coverslips 22x22mm (100 units)
Aluminium box

Spare bulbs
LED assembly 0.5W

ACCESSORIES

SILVER 250 SERIES



Eyepieces (per piece)
Huygens eyepiece H5X/14.5mm
Widefield eyepiece WF10X/20mm
Widefield eyepiece WF15X/12mm
Widefield eyepiece WF20X/11mm

Reticles
Reticle with 100 divisions in 10mm and crosshair (Ø21mm)
Reticle holder for 20mm eyepiece

Plan infinity objectives
Plan infinity objective PL 4X/0.1
Plan infinity objective PL 10X/0.25
Plan infinity objective PL 40X/0.65/S
Plan infinity objective PL 100X/1.25/S - Oil

Plan infinity phase contrast objectives
Plan infinity phase contrast objective PH10x
Plan infinity phase contrast objective PH40x

Phase contrast and darkfield accessories
Phase slider for Ph1, Ph2
Darkfield slider (4X~40X)
Phase centering telescope

Polarizing equipment
Polarizer
Analyzer

Spare parts
Eyecup (unit)
Dust cover (size C)
Immersion oil 5ml
Cleaning kit
Lens tissue paper (Pack 500)
Motic slides 76x25mm (50 units)
Motic coverslips 22x22mm (100 units)
Aluminium box

Spare bulbs
LED light assembly 3W

SILVER 30 SERIES

Eyepieces (per piece)
Widefield eyepiece WF10X/20mm adjustable
Widefield eyepiece WF10X/20mm non-adjustable

Reticles
Reticle with crosshair (Ø25mm)
Reticle with 100 divisions in 10mm (Ø25mm)
Reticle with crossed double scale 100 divisions in 10mm (Ø25mm)
Reticle with crossed double scale 100 divisions in 10mm and crosshair (Ø25mm)
Reticle with 360° protractor with 1° divisions (Ø25mm) only available for 10X eyepiece
Reticle with 360° protractor with 10° divisions and crosshair (Ø25mm) only available for 10X eyepiece

Spare parts
White stage plate, Ø80mm
Black stage plate, Ø80mm
Frosted stage plate, Ø80mm
Dust cover (size C)
Eyecup (unit)
Cleaning kit
Lens tissue paper (Pack 500)
Aluminium box

Spare bulbs
LED Assembly top light
LED Assembly bottom light

Canada I China I Germany I Spain I USA







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