

FOCUS ON

Motic[®]

MORE THAN MICROSCOPY



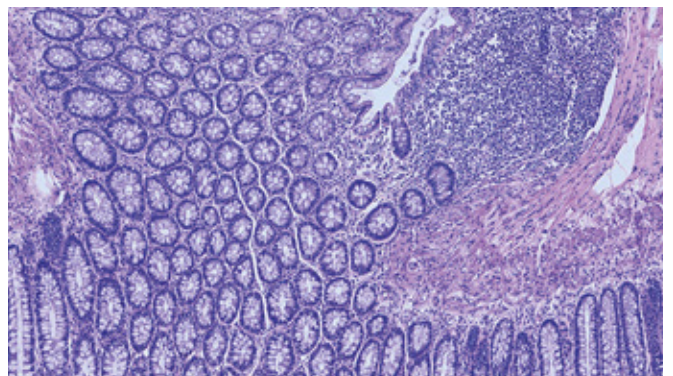
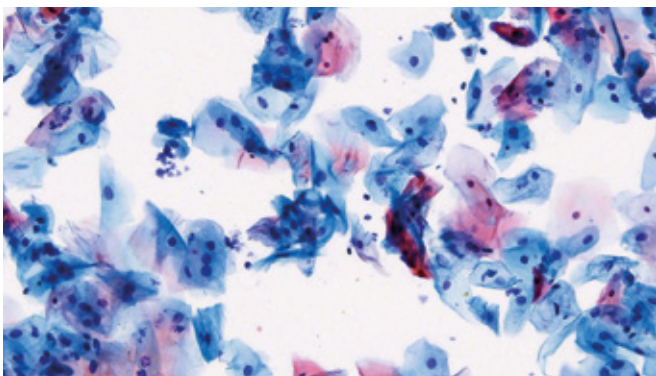
LIFE SCIENCES & ROUTINE

UNMATCHED PRECISION AND ENDURANCE
MOTIC'S TOP CHOICES FOR PROFESSIONALS



LIFE SCIENCES & ROUTINE

Discover Motic's upright, inverted and stereo microscopes dedicated to Life sciences, routine and basic research applications. Find the best microscope optics and contrast methods configuration to meet your sample's requirements.





BA SERIES

BA210E
BA310E
BA410E

04



PANTHERA SERIES

PANTHERA E2
PANTHERA C2
PANTHERA CLOUD

06



STEREO SERIES

SMZ140
SMZ160
SMZ171
SM7

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AE SERIES

AE2000
AE31E

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MOTICAM SERIES

USB STARTER LINE
USB EXPERT LINE
HDMI LINE
WI-FI & TABLET SOLUTIONS

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BA SERIES

Motic's well-known BA Series of upright microscopes for transparent samples from natural sciences. Contrast methods can easily upgrade the instrument for individual demands.



BA210E

- Binocular or trinocular head Siedentopf type, 30° inclined, 360° rotating.
- Widefield high eyepoint eyepieces N-WF10X/20mm.
- Reversed quadruple revolving nosepiece.
- CCIS® Plan achromatic objectives EC PL 4X, 10X, 40X S, 100X S-Oil.
- Coaxial coarse and fine focusing system with tension adjustment.
- Built-in low position coaxial rackless mechanical stage.
- Focusable Abbe condenser N.A. 1.25 with iris diaphragm and slot.
- Illumination LED 3W and halogen-quartz 6V/30W interchangeable with intensity control.

Some available accessories: Simple Phase contrast & DF sliders, Polarizing add-ons, LED Fluorescence, LED bulb.

SKU

BA210E Binocular 1100100403771
BA210E Trinocular 1100100403761



Quadruple nosepiece



HAL / LED illumination
& °K interchangeable



BA310E

- Binocular or trinocular head Siedentopf type, 30° inclined, 360° swiveling, 360° rotating.
- Widefield high eyepoint eyepieces N-WF10X/20mm with diopter adjustment.
- Reversed quintuple revolving nosepiece.
- CCIS® Plan achromatic objectives EC PL 4X, 10X, 40X S, 100X S-Oil.
- Coaxial coarse and fine focusing system with tension adjustment.
- Built-in low position coaxial rackless mechanical stage.
- Focusable Abbe condenser N.A. 0.90/1.25 with iris diaphragm and slot.
- Köhler illumination quartz halogen 6V/30W with intensity control.

Some available accessories: Simple Phase contrast & DF sliders, Phase contrast & DF turret condenser, Polarizing add-ons, LED Fluorescence, LED bulb.

SKU

BA310E Binocular 1100100402433
BA310E Trinocular 1100100402443



Quintuple nosepiece



HAL / LED illumination
& °K interchangeable



Full Köhler





BA410E

- Binocular or trinocular head Siedentopf type, 30° inclined, 360° rotating.
- Widefield high eyepoint eyepieces N-WF 10X/22mm with diopter adjustment.
- Reversed coded sextuple nosepiece.
- CCIS® Plan achromatic objectives EC-H PL 4X, 10X, 40X S, 100X S-Oil.
- Coaxial coarse and fine focusing system.
- Low position rackless stage with ceramic insert and reversible right or left hand control.
- Achromatic swing-out condenser N.A. 0.90/0.13With iris diaphragm.
- Auto-OFF and Light Memory function.
- Köhler illumination quartz halogen 12V/50W or 12V/100W
- BA410E LED Fluorescence (pre-configured package)
- Epi-Fluorescence attachment with filter cassette (filters not included)
- LUMOS FL LED high powered light source

Some available accessories: Simple Phase contrast & DF sliders, Phase contrast & DF turret condenser, Polarizing add-ons, LED Fluorescence, LED bulb.

SKU

BA410E Binocular 50W 1100100402972
 BA410E Binocular 100W 1100100403061
 BA410E Trinocular 50W 1100100402982
 BA410E Trinocular 100W 1100100403071

Fluorescence Package

BA410E Trinocular Fluorescence 1200100402982



Optional HBO and LED Fluorescence



Energy-saving Auto ON-OFF



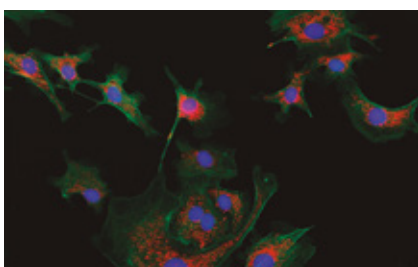
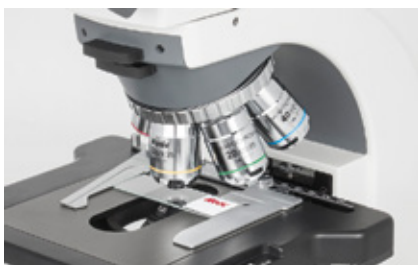
Coded sextuple nosepiece



Powerful 100W Halogen version



Rackless ceramic mechanical stage



PANTHERA SERIES

A new world-class level of performance cased in a revolutionary future-orientated solution for life sciences. Unbelievable upgradability for each individual aim on your application field.



PANTHERA E2

- Binocular or trinocular head Siedentopf type, 25° inclined, 360° swiveling, 180° rotating
- Widefield high eyepoint eyepieces UC-WF10X/20mm with diopter adjustment
- Reversed quadruple nosepiece with LED strip light indicator
- CCIS® Plan achromatic objectives UC PL 4X, 10X, 40X S, 100X S-Oil
- Coaxial coarse and fine focusing system with tension adjustment
- Built-in low position coaxial rackless mechanical stage
- Focusable Abbe condenser N.A. 0.90 with iris diaphragm and slot
- LED illumination with intensity control

Some available accessories: Simple Phase contrast & DF sliders, Polarizing add-ons.

SKU

Panthera E2 Binocular 1100104601111
Panthera E2 Trinocular 1100104601121



Quadruple nosepiece



LED light intensity indicator



LED illumination



PANTHERA C2

- Binocular or trinocular head Siedentopf type, 25° inclined, 360° swiveling
- Widefield high eyepoint eyepieces UC-WF10X/22mm with diopter adjustment
- Reversed coded quintuple nosepiece with Motic Light Tracer (Intelligent Light Management) and LED strip light indicator
- CCIS® Plan achromatic objectives UC PL 4X, 10X, 40X S, 100X S-Oil
- Coaxial coarse and fine focusing system with tension adjustment
- Compact mechanical stage with rackless coaxial stage control and sample holder
- Focusable Abbe condenser N.A. 0.90 with iris diaphragm and slot
- Köhler illumination with LED 3W and halogen 6V/30W interchangeable illuminator

Some available accessories: Simple Phase contrast & DF sliders, Phase contrast & DF turret condenser, Polarizing add-ons, LED Fluorescence.

SKU

Panthera C2 Binocular 1100104601131
Panthera C2 Trinocular 1100104601141



Quintuple coded nosepiece



HAL / LED illumination & 9K interchangeable



Full Köhler



PANTHERA E2 | PANTHERA C2 | PANTHERA CLOUD

PANTHERA CLOUD



- Binocular head Siedentopf type, 25° inclined, 360° swiveling with built-in digital camera
- Still resolution: 8MP / Live resolution: FullHD (1920x1080)
- Output: HDMI, RJ45 and Wi-Fi. USB for external devices x2
- Widefield high eyepoint eyepieces UC-WF10X/22mm with diopter adjustment
- Reversed coded quintuple nosepiece with Motic Light Tracer (Intelligent Light Management) and LED strip light indicator
- CCIS® Plan achromatic objectives UC PL 4X, 10X, 40X S, 100X S-Oil
- Coaxial coarse and fine focusing system with tension adjustment
- Compact mechanical stage with rackless coaxial stage control and sample holder
- Focusable Abbe condenser N.A. 0.90 with iris diaphragm and slot
- Köhler illumination with LED 3W and halogen 6V/30W interchangeable illuminator
- 5GB internal memory and Cloud storage function
- Panthera App for iOS and Android

Some available accessories: Simple Phase contrast & DF sliders, Phase contrast & DF turret condenser, Polarizing add-ons.

SKU
Panthera Cloud 1100104601181



Smart CAM
Digital head



Smart Microscope
ImagingOnDevice



Quintuple coded
nosepiece



Integrated USB
for external devices



QRlink
Panthera App



Cloud storage
function

PANTHERA APP *ImagingOnDevice*

It is an integrated System that makes the microscope completely independent, allowing you to instantly capture what you are viewing with the tip of your finger. Work in FullHD through the HDMI port directly on a screen with the help of a mouse, or work with your Tablet and the Panthera App.



STEREO SERIES

Flexible stereo microscopes series for basic microscopical work and advanced research applications in biomedicine and material science.



SMZ140

- Greenough zoom optical system
- Binocular or trinocular head, 45° inclined, 360° rotating
- Widefield eyepieces WF10X/20mm
- 4:1 Zoom ratio, WD=80mm
- Objective magnification range: 1X-4X
- Compact incident & transmitted LED 3W illumination stand
- Coarse focusing system with tension adjustment

Some available accessories: Stands, boom stands, darkfield & polarising accessories, external illumination.

SKU
SMZ-140-N2LED
SMZ-143-N2LED



Greenough
Optical System

4:1 Zoom
ratio

1X
4X Zoom
magnification



SMZ160

- Greenough zoom optical system
- Binocular or trinocular head, 45° inclined, 360° rotating
- Widefield eyepieces WF10X/20mm
- 6:1 Zoom ratio, WD=100mm
- Objective magnification range: 0.75X-4.5X
- Coarse focusing system with tension adjustment
- SMZ-160-BP, SMZ-160-TP
- Plain stand version
- SMZ-160-BLED, SMZ-160-TLED
- Compact incident & transmitted LED 3W illumination stand

Some available accessories: Stands, boom stands, darkfield & polarising accessories, external illumination.

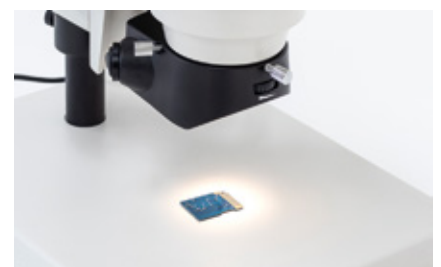
SKU
SMZ-160-BP 1100201300151 (binocular without illumination)
SMZ-160-BLED 1100201300171 (binocular with illumination)
SMZ-160-TP 1100201300161 (trinocular without illumination)
SMZ-160-TLED 1100201300181 (trinocular with illumination)



Greenough
Optical System

6:1 Zoom
ratio

0.75X
4.5X Zoom
magnification



SMZ140 | SMZ160 | SMZ171 | SM7

SMZ-161



SMZ171

- Greenough zoom optical system
- Binocular or trinocular head, 45° inclined, 360° rotating
- Widefield adjustable eyepieces N-WF10X/23mm
- 6.7:1 Zoom ratio, WD=110mm
- Objective magnification range: 0.75X-5X
- [SMZ-171-BP](#), [SMZ-171-TP](#)
- Pole type plain stand
- [SMZ-171-BLED](#), [SMZ-171-TLED](#)
- Incident and transmitted stand with 3W LED illumination with independent intensity controls and head holder
- Coarse focusing system with tension adjustment

Some available accessories: Stands, boom stands, mechanical stage, darkfield & polarising accessories, external illumination.

SKU

SMZ-171-BP 1100200600758 (binocular without illumination)
 SMZ-171-BLED 1100200600754 (binocular with illumination)
 SMZ-171-TP 1100200600762 (trinocular without illumination)
 SMZ-171-TLED 1100200600766 (trinocular with illumination)



Greenough
Optical System

6.7:1 Zoom
ratio

0.75X Zoom
magnification
5X



SM7

- Galilean infinity optical design. Common Main Objective (CMO)
- Trinocular head, 30° inclined (Light split 100:0/20:80)
- Widefield high eyepoint eyepieces UC-WF10X/22mm with diopter adjustment on both eyepieces and rubber eyecups
- Interpupillary distance adjustable range 55 to 75mm
- 7:1 Zoom ratio, range 0.8X-5.6X
- Zoom magnification indication: 10-step, 0.8, 1, 1.25, 1.6, 2, 2.5, 3.2, 4, 5, 5.6
- Click stop for each zoom magnification (On-Off switching possible)
- Coarse focusing system with tension adjustment
- [SM7TR-P A1X](#)
- Plan achromat objective 1X
- 90mm working distance
- Standard large Plain Stand (Fixed arm)
- [SM7TR-TLED APO1X](#)
- Plan Apochromat objective 1X
- 81mm working distance
- Standard Stand LED Reflected/Transmitted 10W
- Power supply 100-240V (CE)

Some available accessories: Stands, boom stands, objectives, external illumination.

SKU

SM7TR-P A1X 1100201800021 (Plain Stand)
 SM7TR-TLED APO1X 1100201800051 (LED Illumination)



CMO
Optical System

7:1 Zoom
ratio

0.8X Zoom
magnification
5.6X

AE SERIES

Inverted microscopes for routine microbiology. The pre-defined optical setup is ready for the inspection of native samples in cell culture flasks.



AE2000

- Binocular or trinocular head Siedentopf type, 45° inclined, 360° swiveling
- Widefield high eyepoint eyepieces N-WF 10X/20mm with diopter adjustment
- Side facing quadruple nosepiece
- CCIS® Plan achromatic objectives PL 4X, LWD PL 40X
- CCIS® Plan achromatic Phase objectives PL Ph 10X, LWD PL Ph 20X
- Coaxial coarse and fine focusing system
- Hard coated stage with metal and glass stage inserts
- ELWD condenser N.A. 0.30 (WD=72mm)
- Phase slider Ph1, BF
- Phase centering telescope
- Halogen illumination 6V/30W with intensity control and Auto-OFF function

Some available accessories: Condensers, mechanical stage, stage holders, phase rings.

SKU

AE2000 Binocular 1100103800043
AE2000 Trinocular 1100103800054



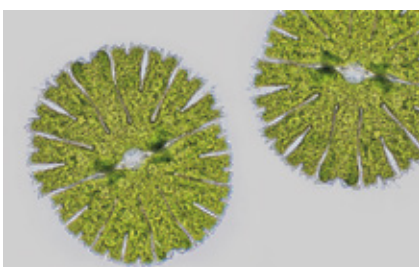
Quadruple
nosepiece



HAL / LED illumination
& °K interchangeable



Energy-saving
Auto ON-OFF



AE2000 | AE31E



AE31E



- Binocular or trinocular head Siedentopf type, 45° inclined
- Widefield high eyepoint eyepieces WFPL10X/22mm with diopter adjustment
- Side facing coded quintuple nosepiece
- CCIS® Plan achromatic objective PL 4X
- CCIS® Plan achromatic Phase objectives PL Ph 10X, LWD PL Ph 20X, LWD PL Ph 40X
- Coaxial coarse and fine focusing system
- Hard coated stage with metal and glass stage inserts
- ELWD condenser N.A. 0.30 (WD=72mm)
- Phase slider Ph1 and brightfield
- Phase centering telescope
- Köhler illumination quartz halogen 6V/30W or 12V/100W
- [AE31E LED Fluorescence](#) (pre-configured package)
- Epi-Fluorescence attachment with filter cassette (filters not included)
- LUMOS FL LED high powered light source

Some available accessories: Condensers, mechanical stage, stage holders, phase rings, fluorescence.

SKU

AE31E Binocular 1100100200565
AE31E Trinocular 1100100200576
AE31E Trinocular 100W 1100100200594
AE31E Trinocular LED-Fluorescence 1200100200576



Quintuple coded nosepiece



HAL / LED illumination & °K interchangeable



Optional HBO and LED Fluorescence



MOTICAM SERIES

Display your samples on your computer, tablet, smartphone or using a TV screen or projector and view, capture, edit, measure, create reports, and easily share your work with anyone in just a few clicks.



USB STARTER LINE

MOTICAM A SERIES

Starter Line cameras for teaching environments, hobbyists and small labs

- Attachable digital C-mount cameras
- Sensor: sCMOS
- Live resolution: from 1MP up to 16MP
- Output: USB 2.0
- Software: MotiConnect for Windows and OSX (Download only)
- All-in-one Box: Eyepiece adapters, focusable lens, CS ring adaptor, USB 2.0 cable, Motic 4-dot calibration slide, calibration card and macrotube included.

SKU

Moticam A1 1100600101412
 Moticam A2 1100600101192
 Moticam A5 1100600101302
 Moticam A8 1100600101443
 Moticam A16 1100600101463



Sensor



USB 2.0



Compatibility



Computer software
MotiConnect



USB EXPERT LINE

MOTICAM S SERIES

High-grade sCMOS cameras for an ultimate imaging result

- Attachable digital C-mount camera
- Sensor: sCMOS
- Live resolution: from 1MP up to 20MP
- Output: USB 3.1
- Software: Motic Images Plus 3.0 for Windows, OSX and Linux
- Global Shutter (only the Moticam Pro S models)

SKU

Moticam S1 1100600101081
 Moticam S3 1100600101091
 Moticam S6 1100600101111
 Moticam S12 1100600101211
 Moticam S20 1100600101401
 Moticam Pro S5 Lite 1100600101101
 Moticam Pro S5 Plus 1100600101121



Sensor



USB 3.1



Fast frame
rates



Compatibility



Computer software
Motic Images Plus 3.1

ACCESSORIES

The Moticam A Series follows our All-In-One-Box methodology. This means that with the included focusable lenses, eyepiece adapters and glass calibration slide, you can convert almost any conventional microscope into a digital microscope.



USB | HDMI | WI-FI & TABLET



SKU

Moticam 4000 1100600101522
 Moticam 1080N 1100600101651
 Moticam 1080N BMH (with integrated screen) 1100600101671
 Moticam 1080N INT (intermediate module only for BA Series) 1100600101681

HDMI LINE

Standalone HDMI cameras with on-board software. Display your images on a screen and work with a mouse without the need of a computer

- Attachable HDMI cameras
- Sensor: CMOS
- Output: HDMI, USB, SD card and USB 5V ports for external devices
- Software: embedded software to work directly on a screen with a mouse. No computer needed.
- Moticam 1080
- Live resolution: FullHD
- Moticam 4000
- Live resolution: 4K



Built-in software
(no computer needed)



SKU

Moticam X5 Plus 1100600101322
 Moticam BTI 1100600101491

WI-FI & TABLET SOLUTIONS

Turn your microscope into a wi-fi station. View, edit, capture & share your images in the blink of an eye with the free MotiConnect App for your mobile devices

- Attachable digital C-mount cameras
- Sensor: CMOS
- Live resolution: 2.0MP (Full HD) / Still resolution: 4.0MP
- Output: Wi-Fi (2.4 or 5 GHz), Ethernet and USB 5V for external devices
- MotiConnect App for iOS and Android
- Motic Images Plus 3.1 for Windows and OSX (only Moticam X5 Plus)
- Bracket holder for tablets from 7" to 10" (Tablet not included) (only Moticam BTI)



Sensor

WI-FI

LAN

ALL IN ONE BOX

MotiConnect App

SOFTWARE



MotiConnect App

Intuitive App included with your wi-fi camera. For tablets and smartphones.



Motic Images Plus 3.0 & 3.1

Our versatile & well-known free microscopy software for computers.



MotiConnect

Our easy-to-use App for computers, included with your Moticam A.



On-board software

The freedom of working with your tv screen and a mouse via HDMI. No computer needed!



Motic®

Your Trusted Microscopy Partner



Optical expertise

Providing excellent contrast and clarity images thanks to its 35 years of innovation and manufacturing expertise.

Motic is a pioneering company boasting over 35 years of continuous growth and expansion, specializing in the manufacturing of microscopy solutions covering a wide range of application fields, from education, life sciences, and research to industry applications, and digital pathology systems. With a foundation built on optical expertise, meticulous customer service, and a dedication to enhancing the microscopy experience, the company has ascended to a global brand accessible to all. Committed to advancing healthcare and bolstering scientific research, Motic focuses on innovative digital solutions tailored to meet today's needs and exceed tomorrow's expectations.



Heartfelt Customer Service

Always by your side to support all your needs and doubts on microscopy.



Global brand

An international network ready to empower the potential of microscopists throughout the world.



At everyone's Reach

Customized solutions within the reach of educators, technicians and researchers.

