

FOCUS ON

Motic[®]

MORE THAN MICROSCOPY



THE STUDENTS OF TODAY

TEACHING MADE EFFORTLESS,
LEARNING MADE EXTRAORDINARY.
MOTIC MICROSCOPES FOR EDUCATION.



EDUCATION

Discover Motic's complete range of Educational Compound and Stereo microscopes. Designed to cover the needs of educators as well as hobbyists, educational microscopes have a compact footprint, are robust and easy to handle.



EDUCATION LINE

F11
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PM
B1 ELITE
SMZ140

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STELLAR SERIES

STELLAR 1

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RED LINE

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BA210 LED

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MOTICNET

MOTICNET

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EDUCATION LINE

The perfect entry into the world of microscopy. Robust, easy to handle and affordable, the Education Line has long been a pillar of reliable and competitive microscopy for educational environments in schools and universities.



F11

- Monocular head, 45° inclined, 360° rotating
- Widefield eyepiece WF10X/18mm
- Quadruple revolving nosepiece
- Achromatic objectives DIN 4X, 10X, 40X S
- Coarse and fine focusing system with tension adjustment
- Plain stage with sample clips
- LED illumination 20mA, 3.5V, 70mW with intensity control
- F-1110 LED
- Condenser N.A. 0.65 built-in on stage with iris diaphragm
- F-1115 LED
- Focusable Abbe condenser N.A. 1.25 with iris diaphragm

Some available accessories: Eyepieces, objectives, reticles, mechanical stage.

SKU

F-1110 LED PF5041B201
F-1115 LED PF5042B201



Monocular head
360° rotatable



Quadruple nosepiece



LED illumination



18

- Monocular, binocular or digital head
- Widefield eyepiece WF10X/18mm
- Reversed quadruple revolving nosepiece
- Achromatic objectives EA 4X, 10X, 40X S
- Coarse and fine focusing system with tension adjustment
- Plain stage with sample clips or mechanical stage
- Condenser N.A. 0.65 built-in on stage (1801) or focusable Abbe condenser N.A. 1.25
- 1801, 1802 and 1820 models
- LED illumination 20mA, 3.5V, 70mW with intensity control (charger and batteries)
- DM-1802 model (digital)
- Halogen illumination 12V/20W with intensity control

Some available accessories: Eyepieces, objectives, reticles, mechanical stage.

SKU

1801 LED Cordless PD8041A201
1802 LED Cordless PD8542A201
1820 LED Cordless PD8742A201
DM-1802 DD99421201



Monocular, binocular
and Digital head



Reversed quadruple
nosepiece



Battery
(cordless models)





28

- Monocular, binocular or trinocular head, 45° inclined, 360° rotating
- Widefield eyepiece WF10X/18mm
- Reversed quadruple revolving nosepiece
- Achromatic objectives EA 4X, 10X, 40X S
- Coaxial coarse and fine focusing system with tension adjustment
- Focusable Abbe condenser N.A. 1.25 with iris diaphragm
- LED illumination 20mA, 3.5V, 70mW with intensity control (Charger and batteries included)
- [2801](#)
- Plain stage with sample clips
- [2802, 2820, 2823](#)
- Mechanical stage

Some available accessories: Eyepieces, objectives, reticles, mechanical stage.

SKU

2801 LED Cordless PD0842A201
 2802 LED Cordless PD1842A201
 2820 LED Cordless PD1942A201
 2823 LED Cordless 1100102201044



Mono, bino or trinocular head sliding



Coaxial focusing



LED illumination



PM

A polarization microscope series for beginners with a built-in 360° rotatable stage, rotatable polarizer and swing in/out analyzer

- Monocular, binocular or trinocular head, 45° inclined, 360° rotating
- Widefield eyepiece WF10X/18mm
- Reversed quadruple revolving nosepiece
- Achromatic objectives EA 4X, 10X, 40X S
- Coarse and fine focusing system with tension adjustment
- Working table 360° rotating with 1° graduation
- Focusable Abbe condenser N.A. 1.25 with iris diaphragm and filter holder
- Swing-in analyzer and polarizer
- [PM-1805, PM-1823](#)
- Halogen illumination 12V/20W
- [PM-1805 LED](#)
- LED (3000K-3500K) illumination 3W cordless.

Some available accessories: Objectives, eyepieces, reticles, camera adapters.

SKU

PM-1805 1100102200632
 PM-1805 LED Cordless 1100102201174
 PM-1820 LED Cordless 1100102201145
 PM-1823 1100102201161



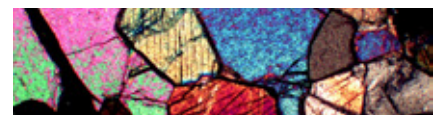
Mono, bino or trinocular head sliding



Polarizer



360° Polarization stage



EDUCATION LINE

The perfect entry into the world of microscopy. Robust, easy to handle and affordable, the Education Line has long been a pillar of reliable and competitive microscopy for educational environments in schools and universities.



B1 ELITE

- Monocular, binocular or trinocular head, 360° rotating
- Widefield eyepiece WF10X/18mm
- Quadruple revolving nosepiece
- Semi-Plan objectives SP 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
- LED illumination 3W with intensity control

Some available accessories: Objectives, Simple Phase contrast & DF, Polarizing add-ons, camera adapters.

SKU

B1-211E-SP 1100100501142
B1-220E-SP 1100100501152
B1-223E-SP 1100100501122



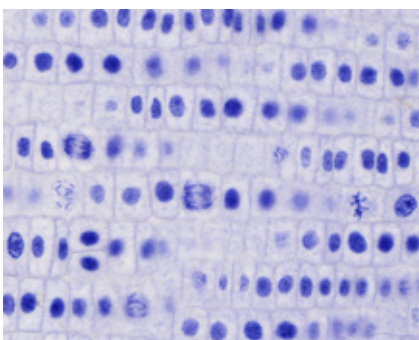
Mono, bino or trinocular head sliding



Mechanical stage



Contrast methods upgradeability



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
- Base stand with pole and head holder
- Coarse focusing system with tension adjustment
- Incident and transmitted LED illumination 3W with intensity control
- Black/White and frosted glass stage plates and dust cover

Some available accessories: Eyepieces, reticles, darkfield & polarising accessories.

SKU

SMZ-140-N2LED 1100200600813
SMZ-143-N2LED 1100200600834



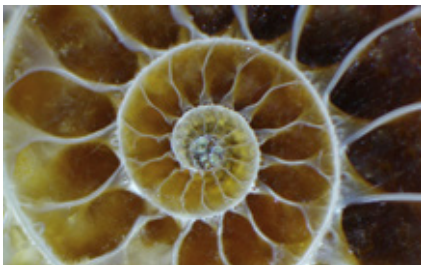
Binocular or
trinocular head

$\frac{1X}{4X}$

Zoom magnification



LED illumination



STELLAR SERIES

To best introduce newcomers to the captivating world of microscopy, the Stellar series of microscopes puts the user first. Stellar microscopes are easy to set up and use, making them perfect for students and educational settings thanks to its unique features.



STELLAR 1

- Binocular or trinocular head, 30° inclined, 360° rotating
- Widefield eyepiece WF10X/18mm
- Quadruple revolving nosepiece
- Achromatic objectives EA 4X, 10X, 40X S, 100X S-Oil
- Coaxial coarse and fine focusing system with tension adjustment
- Built-in low position coaxial mechanical stage with sample holder
- Fixed Abbe condenser N.A. 1.25 with colour coded iris diaphragm
- LED illumination 1W with intensity control - 30mn Auto Power Off
- 0.5X c-mount adapter included with the trinocular model

Some available accessories: Eyepieces, reticles, objectives.
Please contact your sales representative for more information.

SKU
STELLAR 1-B 1100105300131
STELLAR 1-T 1100105300141



Binocular or trinocular head Siedentopf 360° Rotating



Coaxial focusing



Mechanical stage



Focus guidelines

Focus guidelines on the stage holder and microscope body help users to quickly locate the image plane.



Aperture diaphragm indicator

The colour coding, matched to the colour ring on the objective, indicates the correct aperture diaphragm.



Double slide storage

This unique slide storage system helps maintain a tidy workplace and ensures your selected samples are always to hand.

STELLAR 1




Double slide storage

Motic

EA 10
0.25
160/-

EA 40
0.65
160 / 0.17



Aperture diaphragm indicator

4X 10X 40X 100X

TENSION



Focus guidelines

Motic

RED LINE

The RED Line features reliable mechanics, superb optics and an eco-friendly LED illumination. A combination that will deliver impressive image results in primary, secondary, high school and advanced biology students.



RED100

- Monocular, dual or binocular head, 45° or 30° inclined, 360° rotating
- Cordless LED illumination 20mA, 3.5V, 70mW with intensity control, charger and batteries included
- Widefield eyepiece WF10X/18mm, with pointer
- [RED100](#), [RED101](#)
- Gliding stage with built-in condenser N.A. 0.65 and "one-touch" sample clips
- Reversed triple revolving nosepiece
- [RED120](#), [RED130](#), [RED131](#), [RED132](#)
- Reversed triple or quadruple revolving nosepiece
- Achromatic objectives EA 4X, 10X, 40X S, (100X S-Oil included in some models)
- Coarse and fine or coaxial focusing system with tension adjustment
- Built-in low position coaxial mechanical stage
- Spiral mounted Abbe condenser N.A. 1.25 with iris diaphragm
- [RED50X Plus](#)
- Digital head package with wi-fi camera
- LED illumination 20mA, 3.5V, 70mW with intensity control

Some available accessories: Eyepieces, objectives, reticles.

SKU

RED100 1100102900022	RED131 1100102900723
RED101 1100102900122	RED132 1100102900722
RED120 1100102900042	RED50X Plus 1100402800081
RED130 1100102900372	



Monocular, dual,
binocular and
Digital package head



LED illumination



Battery
(cordless models)



RED200

- Monocular, binocular or trinocular head, 30° inclined, 360° rotating
- Widefield eyepiece WF10X/20mm
- Reversed quadruple revolving nosepiece
- Semi-Plan achromatic objectives SP 4X, 10X, 40X S, 100X S Oil (RED211 w/o 100X)
- Coaxial coarse and fine focusing system with tension adjustment
- Built-in low position coaxial mechanical stage
- [RED211](#), [RED220](#), [RED223](#)
- Focusable Abbe condenser N.A. 1.25 with iris diaphragm.
- LED illumination 3W with intensity control
- [RED230](#), [RED233](#)
- Focusable and centerable Abbe condenser N.A. 1.25 with iris diaphragm.
- Köhler LED illumination 3W with intensity control

Some available accessories: Eyepieces, objectives, reticles, polarising set.

SKU

RED211 1100102900412	RED230 1100102900187
RED220 1100102900067	RED233 1100102900078
RED223 1100102900178	



Mono, bino or
trinocular head
Siedentopf



Reversed quadruple
nosepiece



LED illumination

RED100 | RED200 | RED30



RED30

- Binocular head, 45° inclined
- Widefield eyepieces WF10X/20mm
- Base with fixed arm and carrying handle, "one-touch" sample clips
- Coarse focusing system with tension adjustment
- Incident and transmitted rechargeable LED illumination with independent intensity control, charger and batteries included
- [RED30S](#)
- Objective turret magnification changer (2X, 4X)
- [RED39Z](#)
- 3:1 zoom ratio; objective magnification range: 1X-3X

Some available accessories: Objectives, eyepieces, reticles, camera adapters.

SKU
RED30S 1100201000026
RED39Z 1100201000161

$\frac{2X}{4X}$ Turret magnification

$\frac{1X}{3X}$ Zoom magnification



Fixed arm stand



LED illumination



SILVER LINE

The SILVER Line stands out for its innovative design, excellent optics and smooth mechanical operation. It offers a wide range of powerful compound and stereo microscopes, including digital models for wireless image transfer to tablets and smartphones.



SILVER100

- Monocular head, 30° inclined, 360° rotating
- Widefield eyepiece WF10X/18mm with POINTMASTER® eyepiece reticle
- Rechargeable LED illumination 20mA, 3.5V, 70mW with intensity control, charger and batteries included
- Achromatic objective DIN 4X, 10X, 40X S, lockable - Lead free (RoHS)
- Separated coarse and fine focusing system
- SILVER100
- Reversed triple revolving nosepiece
- Plain stage with built-in condenser N.A. 0.65, iris diaphragm and "one-touch" sample clips
- SILVER120
- Reversed quadruple revolving nosepiece
- Built-in low position coaxial mechanical stage
- Spiral mounted Abbe condenser N.A. 1.25 with iris diaphragm

Some available accessories: Eyepieces, objectives, reticles.

SKU

SILVER100 1100103700023
SILVER120 1100103700047



Monocular head
360° rotatable



Triple
nosepiece



LED
illumination



Battery



SILVER150

- Binocular, trinocular or wi-fi digital head Siedentopf type, 30° inclined, 360° rotating
- Widefield eyepieces WF10X/20mm
- Reversed quadruple revolving nosepiece
- Plan infinity objectives 4X, 10X, 40X S, 100X S Oil
- Coaxial coarse and fine focusing system
- Built-in low position coaxial mechanical stage
- Spiral mounted Abbe condenser N.A. 1.25 with iris diaphragm
- LED illumination 0.5W with intensity control, charger and batteries included (Digital model is corded)
- 0.5X c-mount adapter included with the trinocular model

Some available accessories: Eyepieces, objectives, reticles.

SKU

SILVER152 1100104700022
SILVER153 1100104700013
SILVER152iX 1100403000041



Bino, trinocular or
Wi-Fi Digital head
Siedentopf



Reversed
quadruple
nosepiece



LED
illumination



Battery



SILVER100 | SILVER150 | SILVER250 | SILVER30



SILVER250



- Binocular, trinocular or wi-fi digital head Siedentopf type, 30° inclined
- Widefield eyepieces WF10X/20mm
- Reversed quadruple revolving nosepiece
- Plan infinity objectives 4X, 10X, 40X S, 100X S Oil
- Coaxial coarse and fine focusing system
- Built-in low position coaxial mechanical stage
- Rack & pinion focusable Abbe condenser N.A. 1.25 with iris diaphragm
- LED illumination 3W with intensity control
- 0.5X c-mount adapter included with the trinocular model

Some available accessories: Objectives, eyepieces, reticles, phase contrast and darkfield accessories.

SKU

SILVER252 1100104800031
 SILVER253 1100104800041
 SILVER252iX 1100403400021



Bino, trinocular or
 Wi-Fi Digital head
 Siedentopf



LED illumination



Contrast methods
 upgradeability

SILVER30



- Binocular or trinocular head, 45° inclined, 360° rotating
- Widefield eyepieces WF10X/20mm
- Base with fixed arm
- Coarse focusing system with tension adjustment
- 3-way rechargeable LED illumination with 5 light setting combination with intensity control, charger and batteries included
- [SILVER30B](#), [SILVER30S](#)
- Objective magnification 1X, 3X or 2X, 4X
- [SILVER39Z](#), [SILVER39Z-T](#)
- Zoom objectives, ratio 3:1; magnification range 1X-3X
- 0.5X c-mount adapter included with the trinocular model

Some available accessories: Eyepieces, reticles.

SKU

SILVER30B 1100201200072
 SILVER30S 1100201200082
 SILVER39Z 1100201200092
 SILVER39Z-T 1100201200103

$\frac{1X}{3X}$ $\frac{2X}{4X}$ Turret
 magnification

$\frac{1X}{3X}$ Zoom
 magnification



Fixed arm
 stand



LED
 illumination



BA210 LED SERIES

Motic's BA210 is designed for both educational and teaching environments from basic life sciences to medical applications. Upgrade the microscope with contrast methods like Phase contrast, Polarization or Darkfield.



BA210 LED

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

Some available accessories: Eyepieces, objectives, reticles, contrast methods accessories. Please contact your sales representative for more information.

SKU

BA210 LED Binocular 1100100403752
BA210 LED Trinocular 1100100403742
BA210 LED Digital 1100401200543



Binocular head
Siedentopf



Trinocular head
Siedentopf

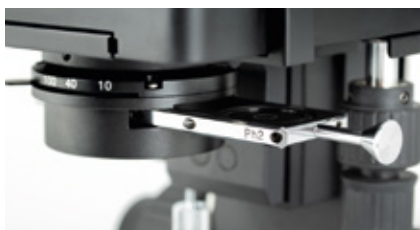


Digital head
Binocular



LED illumination

The BA210 microscope features a 3W LED illumination and a high-quality condenser with NA 1.25 and aperture diaphragm for visualization of weakly or non-stained samples.



Contrast methods

The BA210 exceeds the limits of a basic upright microscope, allowing advanced contrast methods like Phase Contrast, Darkfield and polarisation for teaching environments within a small budget.



Advanced features to fit in superior educational settings.


Designed for tough education settings, with a sturdy stage for safe sample evaluation. Standard eyepiece tubes offer a 30° viewing angle and adjustable interpupillary distance (55-75mm). Trinocular tube option with a 20/80 light split for digital camera systems. EC Plan optics provide reliable image results, with a full range of Achromatic objectives (4X to 100X) improving contrast for both human eye and digital sensors.


BA210 LED


 Quadruple nosepiece


 Plan-EC objectives

 Mechanical stage

 Abbe condenser
N.A. 1.25

 Contrast methods upgradeability

 Coaxial focusing
coarse & fine

 3W LED
illumination



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



ALL IN ONE BOX



Compatibility



Computer software
MotiConnect

This digital camera series is ultimately developed and designed for newcomers in digital imaging and young explorers with ambitious goals. For this reason, the newest technologies are hidden in a robust metal housing. It's simple to use, without time consuming training, thanks to our application software, MotiConnect.

Easy - Flexible - Downloadable

The MotiConnect is a multi-platform toolbox to make the most out of your new Moticam A Series product. Capture, Annotate, Measure and evaluate using simple to understand and easy to use tools. This free software is available for Windows, iOS and Linux operating systems.



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 4000X 1100600101641
 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, Wi-Fi and, micro-SD card.
- Software: embedded software to work directly on a screen with a mouse. No computer needed.
- [Moticam 1080N \(HDMI, USB\)](#)
- Live resolution: FullHD
- [Moticam 4000X \(HDMI, USB, WI-FI\)](#)
- 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 port 5V for external devices
- MotiConnect App for iOS and Android
- [Moticam X5 Plus](#)
- Motic Images Plus 3.1 for Windows and OSX
- [Moticam BTI](#)
- Bracket holder for tablets from 7" to 10" (Tablet not included)



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.



Moticam A

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



On-board software

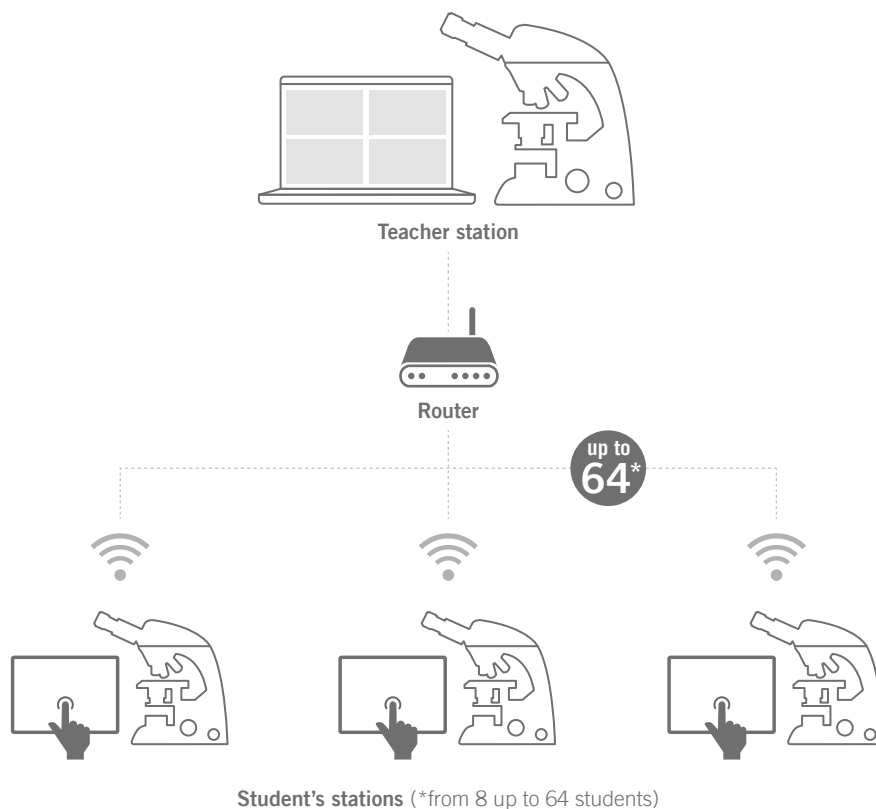
The freedom of working with your tv screen and a mouse via HDMI. No computer needed!

MOTICNET

DIGITIZE YOUR CLASS

MoticNet allows you to remotely observe all live images from all connected microscopes of your classroom from anywhere in the room and share any user's screen with everyone else. Make your biology lessons more fun, engaging, and efficient.

What is MoticNet? MoticNet is a network system specially developed for educational settings that digitizes your microscopy classroom, creating an interactive communication system between all microscopes, students and teacher.



Everything under control

See all live images of any connected microscope and make sure that the students are on the right track.

Intuitive software

Effortlessly edit, measure, capture, and create reports thanks to its user-friendly software interface.

Dynamic functions

Stimulate active participation by adding real-time voice and chat functions with your students.

Skilled tools

Set assignments, rate work or note a point of interest and share with all connected students.

“A modern classroom is a hive of activity. Students engage with each other as well as the teacher, talking actively about what they are discovering and what they are learning. Studies have shown that through this type of peer-interaction, knowledge is more easily retained and transferred.”



Advanced share options

Encourage collaborative investigation and engage your students by sharing files, live streams, images, and videos at the touch of a button.

Two powerful software solutions

The MoticNet Teacher version is compatible with Windows OS while the MoticNet Student App is available for Android and iOS platforms.

QRlink system

Students can swiftly access the live image on their tablets by scanning the QR code displayed on the microscope

Scalable packages

Select your preconfigured package for 8 up to 64 students, including microscopes and software.

Full digital classroom package

Customize your MoticNet package, fully equipped with a computer and tablets, ready to be used right away!

Dedicated wireless network

MoticNet works with its exclusive wireless network, without the need of creating or modifying any existing ones.

