MOTICNET

Motic®

MORE THAN MICROSCOPY



MOTICNET

DIGITIZE YOUR CLASS

REVOLUTIONIZE YOUR TEACHING EXPERIENCE

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.

Scan this QR code to unlock the limitless potential of MoticNet and see it in action!

"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."**



The MoticNet System allows you to remotely observe all live images from all connected microscopes of your classroom from anywhere in the room. The MoticNet Teacher software interface lets you to annotate and compare what your students are seeing in real time. Effortlessly share any user's screen with everyone else in the network to discuss points of interest. Rating work and assigning task is just a click away.

Compatibility across iOS, Android, and Windows operating platforms means ultimate flexibility for students to connect to the network and start to work straight away. Easily transfer files for review and collaborative investigation. Annotate, measure and carry out your research with the intuitive software interface. Project images from any connected microscope in the room to a TV or projection screen.

KEY FEATURES





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

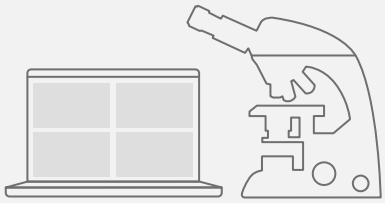
Intuitive software
Effortlessly edit, measure, capture, and create reports thanks to its user-friendly software interface.

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.

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

Teacher station
Microscope with wi-fi camera or wi-fi digital microscope.
Computer with MoticNet software for Windows OS.



Router



Students' stations
Microscopes with wi-fi cameras or wi-fi digital microscopes.
Tablets with MoticNet App for iOS or Android

*(*from 8 up to 64 students)*

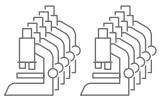




Two powerful software solutions
The MoticNet Teacher version is compatible with Windows OS while the MoticNet Student App is available for Android and iOS platforms.



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 comes with its very own isolated wireless system. You do not need to connect it to any school, private or public network and therefore risk of interference is eliminated.



PRE-CONFIGURED PACKAGES
STELLAR EDITION



Students and teacher

Package includes:

- Students' microscopes: Stellar 1-T
- Teacher's Microscope: Stellar 1-T
- Wi-Fi cameras: Moticam X5 Plus and C-mount adapter
- Software: MoticNet with teacher and students' licenses.
- Network cable and preconfigured routers.
- For 8 up to 64 students

STELLAR 1-T Microscope

- Trinocular head, 30º inclined, 360º rotating (Fixed light split 50:50)
- 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

Moticam X5 Plus

- Sensor: CMOS 1/3"
- Live resolution: 2.0MP (1920x1080 pixels)
- Still resolution: 4.0MP
- Output: Wi-Fi (2.4 or 5 GHz), Ethernet and USB for external devices





Note: Students' tablets and teacher's computer are not included in the above package.

PRE-CONFIGURED PACKAGES
RED223 EDITION



Students and teacher

Package includes:

- Students' microscopes: RED223
- Teacher's Microscope: RED223
- Wi-Fi cameras: Moticam X5 Plus and C-mount adapter
- Software: MoticNet with teacher and students' licenses.
- Network cable and preconfigured routers.
- For 8 up to 64 students

RED223 Microscope

- Trinocular head Siedentopf type, 30° inclined, 360° rotating (Fixed light split 50:50)
- Widefield eyepieces WF10X/20mm
- Reversed quadruple revolving nosepiece
- Semi-Plan achromatic objectives SP 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
- Focusable Abbe condenser N.A. 1.25 with iris diaphragm
- LED illumination 3W with intensity control
- 0,5X C-mount adapter included

Moticam X5 Plus

- Sensor: CMOS 1/3"
- Live resolution: 2.0MP (1920x1080 pixels)
- Still resolution: 4.0MP
- Output: Wi-Fi (2.4 or 5 GHz), Ethernet and USB for external devices





Note: Students' tablets and teacher's computer are not included in the above package.

PRE-CONFIGURED PACKAGES
SILVER SCREEN EDITION



Students





Teacher

Package includes:

- Students' microscopes: SILVER153
- Teacher's Microscope: SILVER252iX (with built-in digital head)
- Wi-Fi cameras: Moticam X5 Plus and C-mount adapter
- Software: MoticNet with teacher and students' licenses.
- Network cable and preconfigured routers.
- For 8 up to 64 students

SILVER 153 Microscope (Students)

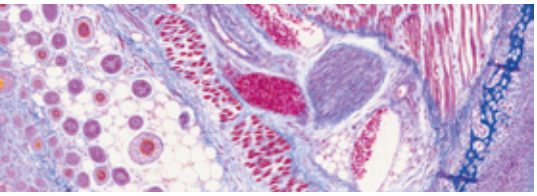
- Trinocular head Siedentopf type, 30º inclined, 360º rotating (Fixed light split 20:80)
- Widefield eyepieces WF10X/20mm
- Reversed quadruple revolving nosepiece
- Plan infinity objectives 4X, 10X, 40X S, 100X S-Oil
- Coaxial coarse and fine focusing system
- Built-in low position coaxial mechanical stage with sample holder
- Spiral mounted Abbe condenser N.A. 1.25 with iris diaphragm
- LED illumination 0.5W with intensity control, charger and batteries included
- 0,5X C-mount adapter included

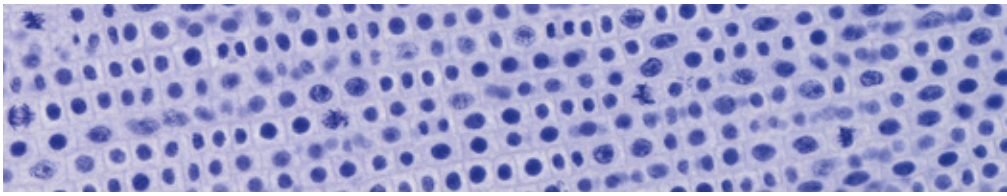
Moticam BTI (Students)

- Sensor: CMOS 1/3"
- Live resolution: 2.0MP (1920x1080 pixels)
- Still resolution: 4.0MP
- Output: Wi-Fi (2.4 or 5 GHz), Ethernet and USB for external devices
- Bracket holder for tablets from 7" to 10"

SILVER 252iX Digital Microscope (Teacher)

- Binocular head Siedentopf type, 30º inclined with built-in digital WiFi camera
- CMOS 1/3" chip
- Live resolution: 2MP (1920x1080 pixels) / Still resolution: 4MP
- 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





Note: Students' tablets and teacher's computer are not included in the above package.

PRE-CONFIGURED PACKAGES
SILVER EDITION



Students



Teacher

Package includes:

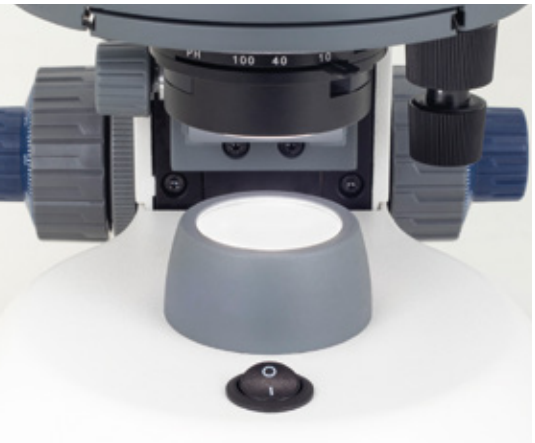
- Students' microscopes: SILVER152iX (with built-in digital head)
- Teacher's Microscope: SILVER252iX (with built-in digital head)
- Software: MoticNet with teacher and students' licenses.
- Network cable and preconfigured routers.
- For 8 up to 64 students

SILVER 152iX Microscope (Students)

- Binocular head with built-in digital Wi-Fi camera
- CMOS 1/3" chip
- Live resolution: 2MP (1920x1080 pixels) / Still resolution: 4MP
- Widefield eyepieces WF10X/20mm
- Reversed quadruple revolving nosepiece
- Plan infinity objectives 4X, 10X, 40X S
- 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

SILVER 252iX Digital Microscope (Teacher)

- Binocular head with built-in digital Wi-Fi camera
- CMOS 1/3" chip
- Live resolution: 2MP (1920x1080 pixels) / Still resolution: 4MP
- 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





Note: Students' tablets and teacher's computer are not included in the above package.

PRE-CONFIGURED PACKAGES
PANTHERA EDITION



Students & Teacher

Package includes:

- Students' microscopes: Panthera E2 trinocular
- Teacher's Microscope: Panthera E2 trinocular
- Wi-Fi cameras: Moticam X5 Plus and C-mount adapter
- Software: MoticNet with teacher and students licenses.
- Network cable and preconfigured routers.
- For 8 up to 64 students

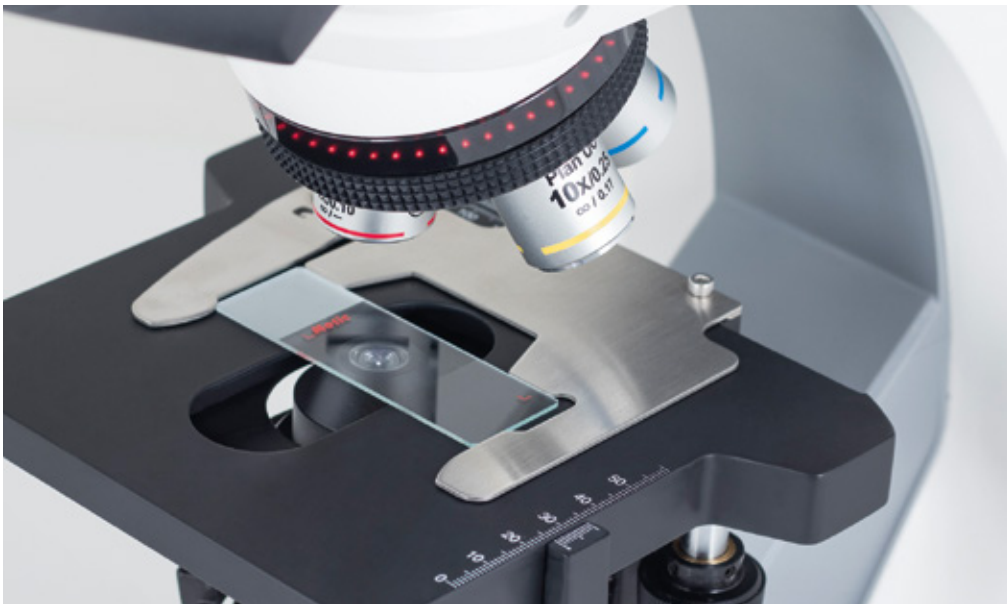
Panthera E2 trinocular Microscope

- Trinocular head Siedentopf type, 25° inclined, 360° swiveling,180° rotating (Fixed light split 50:50)
- Widefield high eyepoint eyepieces UC-WF10X/20mm with diopter adjustment on both eyepieces and rubber eyecups
- Reversed quadruple nosepiece with LED strip light intensity 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 (Right-hand control)
- Focusable Abbe condenser N.A. 0.90 with iris diaphragm and slot
- LED illumination with intensity control
- USB port for camera power supply

Moticam X5 Plus

- Sensor: CMOS 1/3"
- Live resolution: 2.0MP (1920x1080 pixels)
- Still resolution: 4.0MP
- Output: Wi-Fi (2.4 or 5 GHz), Ethernet and USB for external devices





Note: Students' tablets and teacher's computer are not included in the above package.

FULL DIGITAL CLASSROOM PACKAGE

Customize your MoticNet package to suit your needs, choosing from a range of options including microscopes for both students and teachers, Wi-Fi cameras, and digital microscopes with integrated cameras. Each package includes cutting-edge computer systems and tablets, ready for immediate use. With MoticNet, deliver captivating science lessons and enriching education with ease and efficiency.

Package includes:

- Students' microscopes
- Students' tablets
- Teacher's Microscope
- Teacher's computer
- Software: MoticNet with teacher and students licenses.
- Network cable and preconfigured routers.
- For 8 up to 64 students





Motic®



May 2024

MOTIC EUROPE

www.moticeurope.com

BARCELONA, SPAIN
EUROPEAN HEADQUARTERS
T. +34 93 756 62 86

WETZLAR, GERMANY
TRAINING CENTER
T. +49 6441 21001 0

EN | ES | FR | DE | IT | PT

*CCIS® is a trademark of Motic Incorporation Ltd. Motic Incorporation Limited Copyright © 2002-2024. All Rights Reserved. ISO 9001:2000, ISO 14001:2004 and ISO 13485 Certified. CE