

**Motic®**

MORE THAN MICROSCOPY



4K

# MOTICAM 4000X

The ultimate all-round camera  
Your go-to solution for limitless versatility



# MOTICAM 4000X

An all-round 4K multi-output camera

Introducing our revolutionary microscopy camera, MotiCam 4000X, engineered for unparalleled versatility and performance. Featuring stunning 4K resolution and multi-output capabilities, this all-in-one camera is ideal for a wide range of applications, including education, routine and research, and industry and materials.



Experience unmatched adaptability with full connectivity, allowing you the freedom to simultaneously visualize your samples on a variety of devices and software, ensuring seamless integration and optimal flexibility.

WHEN IT COMES TO SEEING THE UNSEEN, EVERY DETAIL MATTERS **4K**

# ALL-ROUND



The Moticam 4000X camera boasts on-board software, enabling you to operate it seamlessly with just a mouse and a screen - no computer needed. For added convenience, it offers both USB and Wi-Fi connectivity, allowing for flexible integration with your existing systems. Use the Wi-Fi connectivity to connect effort-

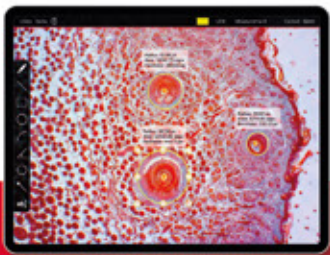
lessly with mobile devices such as tablets and smartphones, and the USB to connect to a computer for advanced image analysis using the Motic Images Plus software. Experience real-time, live measurements with exceptional clarity and detail, and elevate your microscopy work to new heights.



# Full Connectivity



**WI-FI**  
FOR MOBILE DEVICES

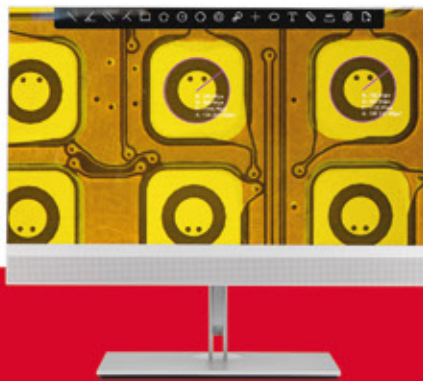


**MOTICONNECT APP**

View, edit, capture, and store images instantly. Stream live images to multiple devices and share with just a few clicks. The MotiConnect App enables seamless data sharing, fostering collaboration and collective learning.



**HDMI**  
FOR SCREEN / PROJECTOR



**ON-BOARD SOFTWARE**

Display 4K live images on a screen via HDMI. Make live measurements, notes, and adjustments without a computer, just connect a USB mouse to control the on-board software directly on-screen.



**USB**  
FOR COMPUTER



**MOTIC IMAGES PLUS**

The renowned image analysis software, included free with most Moticam models, offers advanced image adjustments, live measurements, annotations, and counting, turning microscope images into valuable insights.



# Technical Specifications



<b>Sensor type</b>	CMOS
<b>Sensor size</b>	1/2.8"
<b>Imaging area</b>	6.46 mm (diagonal)
<b>Capture resolution</b>	8MP (3840x2160 pixels)
<b>Image capture resolution (on SD-card)</b>	8MP (3840x2160 pixels)
<b>Video capture resolution (on SD-card)</b>	1080P(1920X1080 pixels)
<b>Live display mode through USB</b>	4K (3840x2160 pixels)
<b>Live display mode through Wi-Fi</b>	4K (3840x2160 pixels)
<b>Live display mode through Ethernet</b>	4K (3840x2160 pixels)
<b>Live display mode through HDMI</b>	4K (3840x2160 pixels)
<b>Pixel size</b>	1.45x1.45µm
<b>Scan mode</b>	Progressive
<b>Shutter mode</b>	Rolling shutter
<b>Data transfer</b>	HDMI ,USB ,Wi-fi, Ethernet, MicroSD card
<b>Max. frames per second (fps*)</b>	HDMI: 4K (3840x2160) @30 fps USB3.0: 1920x1080 @30fps, 3840x2160 @25fps WIFI: 1920x1080 @25fps, 3840x2160 @12fps
<b>Exposure time</b>	0.03ms ~ 1000ms
<b>Operating temperature</b>	From -10 to +50 degrees Celsius non condensing
<b>Sensitivity</b>	300mV with 1/30s
<b>Slot</b>	Micro-SD Card
<b>Buttons</b>	On/Off
<b>Support device</b>	TWAIN, SDK and Direct Show Driver
<b>Minimum computer requirements</b>	Core2, 2.8GHz, RAM memory 8GB
<b>Lens mount</b>	C-Mount
<b>Focusable lens</b>	12mm
<b>Software</b>	On-board Software, Motic Images Plus 3.1 for Windows 10 and MAC OSX or higher and, MotiConnect App for iOS and Android
<b>Functions</b>	Including exposure, gain, white balance, color adjustment, sharpness and denoising control, zoom, mirror, comparison, freeze, measure, cross, browse function
<b>Power supply</b>	12V (External Power supply)
<b>Package includes</b>	CS ring adaptor, focusable lens, 30mm and 38mm eyepiece adapters, Motic 4-dot calibration slide, macro calibration card, macro tube, universal power supply, HDMI cable, USB 3.0 cable, Motic Images Plus 3.1
<b>Other features</b>	USB port for connecting a mouse to enable software control

(\* ) Frames per second under optimal lighting conditions and in compliance with computer technical requirements.

**ALL IN ONE BOX**

## ALL-IN-ONE-BOX CONCEPT

With the included accessories you can convert almost any conventional microscope into a digital microscope.



ø30 and ø38mm  
Eyepiece adapters

Focusable  
lens

Calibration slide

Motic Images Plus

Cables

Macro-tube

C-ring

# Motic®



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