MOTICAM

QUICK START GUIDE

Moticam 4000X HDMI&USB True 4K Imaging

Quick Start Guide

Thank you for purchasing this Moticam. This camera is a delicate instrument and should be handled with care. When not in use, please store the camera in a safe place with the dust cap attached. Do not let the camera get in contact with water or expose it to extreme temperatures (below 0 or above 50 degrees Celsius). In order to receive the highest level of service, please retain your receipt as proof of purchase and **register your camera online at www.motic.com today.**

Should you have any questions please do not hesitate to **contact our customer service.**

This device conforms to US FCC and european EMC regulations: operation is subject to the following two conditions:

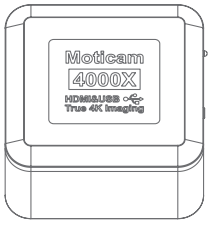
1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

North America | support@motic-america.com 1-877-901-4141

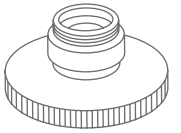
Europe | digital.support@moticeurope.com +34 93 756 62 86

Global | info_digital@motic.com

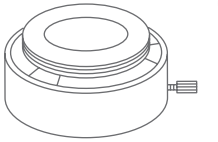
Parts



A Moticam 4000X

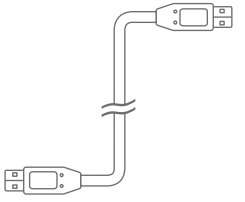


B Focusable Lens



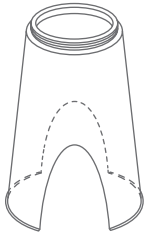
C Eyepiece Adapters (2)

D C-Ring

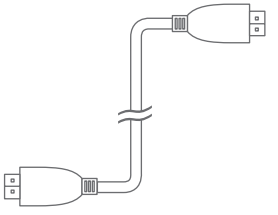


E USB Cable

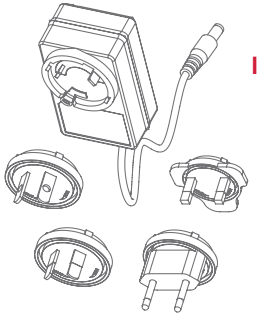
F Motic Calibration Slide



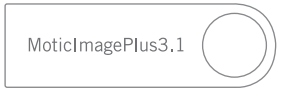
G Macro Tube



H HDMI Cable



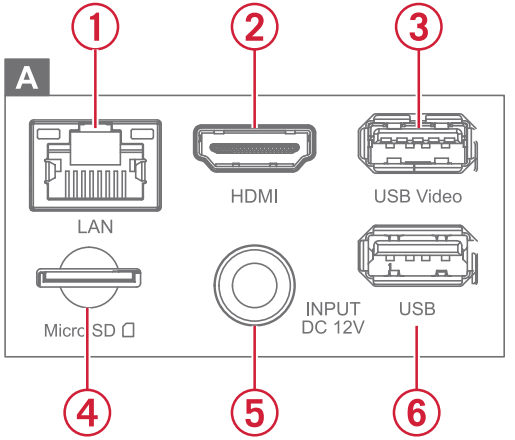
I Power Supply

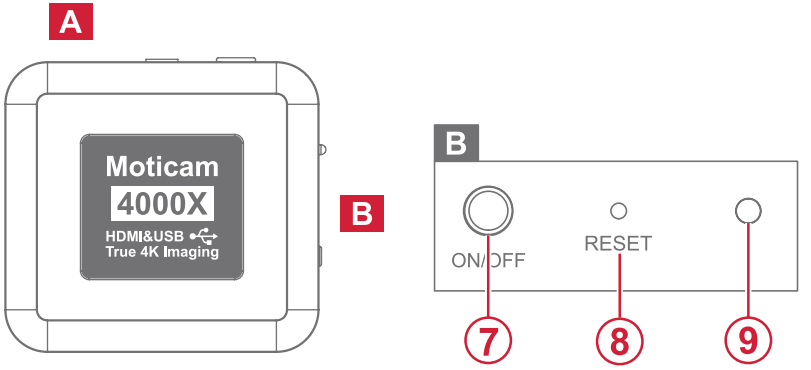


J Motic Images Plus Software on USB

Controls and Ports on the Camera

1. Ethernet Port
2. HDMI Port
3. USB Video Port – When connected to a computer using Motic Images Plus Software
4. Micro SD Card Slot – For connecting Micro SD Memory Cards (Maximum 128GB ??)
5. Power Supply Port
6. USB Port – For connecting USB Memory Sticks
7. Camera On/Off Switch
8. RST: Reset system (Press 10 sec)
9. LED Camera Status Indicator (On – Blue)



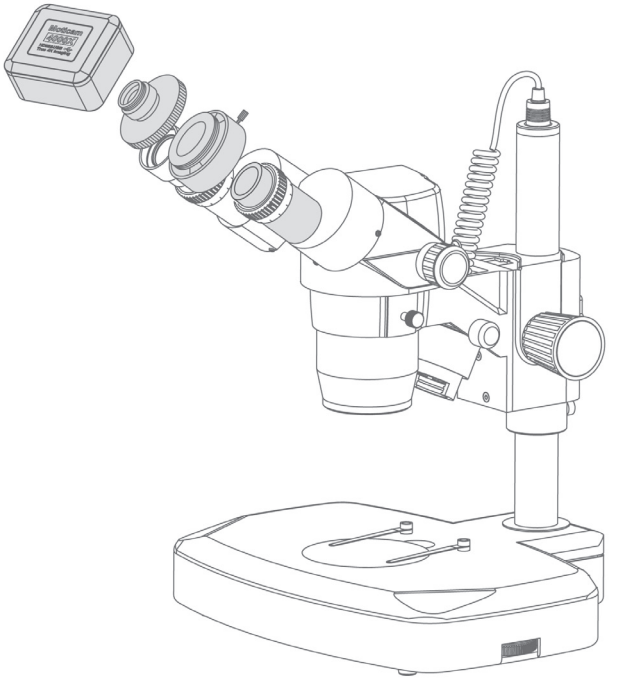


Attaching the Camera to an Eyepiece

Connect the Focusable Lens (B) to the Moticam 4000X (A) and choose a suitable Eyepiece Adapter (C) for your eyepiece.

Attach the Eyepiece Adapter to the Focusable Lens and then carefully attach the whole unit onto the eyepiece.

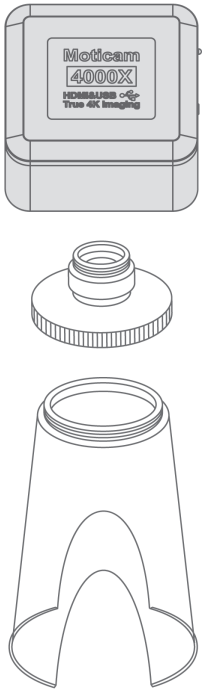
* Please take care to ensure that the eyepiece adapter reaches far enough over the eyepiece of your microscope due to the weight of the camera system.



Attaching the Camera to the Macro Tube

Connect the Focusable Lens (B) to the Moticam 4000X (A) and then attach the Macro Tube (F) to the Focusable Lens.

When viewing macro objects in this format, additional illumination may be required.

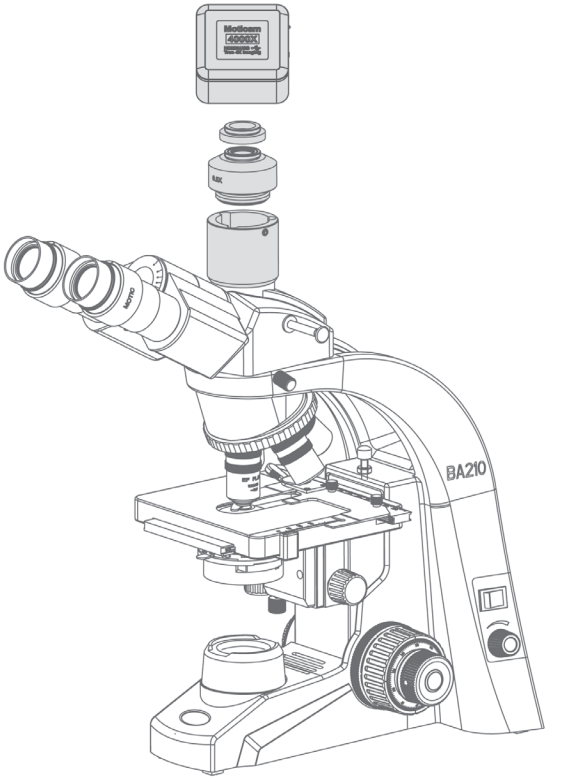


Attaching the Camera to a Trinocular Port

Connect a suitable C-Mount adapter (not included) to the Moticam 4000X (A)

Please note that the C-Mount adapter is specific to your microscope. Please consult your microscope's manual to find a suitable adapter for a 1/2.8" sensor)

Please note that in order to achieve parfocality between the on-screen image and the eyepiece image, the inclusion of the C-Ring (D) may be necessary.



Connect to the Moticam 4000X WiFi signal

1. Each Moticam 4000X transmits its own WiFi signal to which you can directly connect your WiFi Device.
2. The Moticam 4000X's SSID signal name is "Moticam4000X_XXXXXX". To log into your camera, simply connect your WiFi device to that signal.
   The password for the network by default is 12345678.

Using a Wifi device that operates with Android or iOS

* For best performance, we recommend to use WiFi devices, such as tablets, with a screen not smaller than 7 inches.
For iOS devices we suggest using iOS 12 or higher while for Android Devices we suggest using Version 8.0 or higher.

1. To operate and use the camera on your tablet, please download our free App called MotiConnect. For iPad you can find this on AppStore, for Android devices you can find this on Google Play.
2. The camera supports both MJPG and H.265 output. By default the camera is set to H.265 in order to provide fast FPS transmission to the MotiConnect App.
   If you would like to view the live image on both MotiConnect, please change the output mode to MJPG using the settings on the MotiConnect App.

Use the Moticam 4000X on your Wifi enabled computer

The Moticam 4000X can also be used with Motic Images Plus software for computers. If you have a WiFi enabled laptop, you can go to www.motic.com and download Motic Images Plus 3.1ML software by registering as a user with the DM serial number you will find on the box. To view the camera in our product's MI Devices interface, simply log your computer onto the Moticam 4000X WiFi signal, by selecting this Wifi connection and entering the password. Then open the MI Devices interface by clicking on the camera icon within Motic Images Plus and select Motic WiFi from the drop down menu. Then click on Open.

Moticam 4000X + Computer

Load and Install the Motic Images Plus software from the Motic Software USB Stick (J). We recommend Windows 10 and up and the latest OSX.
Connect the camera's Power Supply (I) to a suitable outlet and connect the USB Cable (E) to the USB Port (3). Turn the camera on using the On/Off Switch (7)
Please consult the In-Software help and manual for complete coverage of the software tools.

Moticam 4000X + HDMI Screen

Connect the HDMI Cable (H) to the cameras HDMI Port (2) and to the HDMI port on the included monitor.
Connect a suitable USB Mouse (Wired or Wireless) to the camera's USB Port (3)
Connect the camera's Power Supply (I) to a suitable. Turn the camera on using the On/Off Switch (7)
By hovering the mouse over the sides of the screen, the camera's on-board tools can be used.

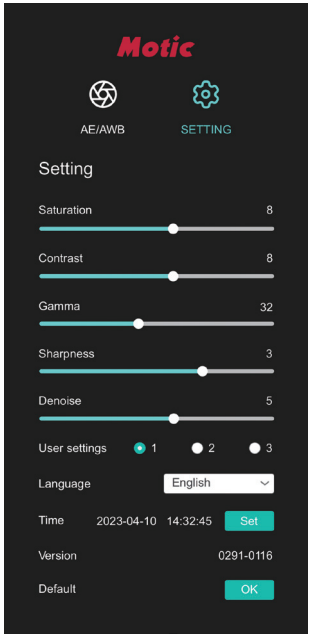
HDMI On-Screen Tools

Hovering the Mouse to the bottom of the screen will bring up the camera control tool-bar

Clicking on the Settings button

and selecting Language will allow the user to change the on-screen language. By default the language is set to English.

Please visit the Separate Manual Motic On Screen Tools Help located on the Motic Images Plus Software USB (J) for more help.



Note: The device is limited to indoor use, using frequencies from 5150MHz-5350MHz to reduce the potential for interference.

FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The device has been evaluated to meet general RF exposure requirement. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Motic®

MORE THAN MICROSCOPY

SAP Code: xxxxx
Updated: 05.12.2023
(Moticam 4000X_English)