



Motic[®]
MORE THAN MICROSCOPY

Moticam **2** 2.0 MP

USB CAMERAS

Moticams are known around the globe for their ease-of-use and adaptability to a number of applications. The Moticam's unique "All In One Box" design, assures each user that this camera can fit almost any microscope whether it's for Educational, Industrial or Clinical use.

The Moticam 2 is the ideal introduction to Digital Microscopy. An affordable camera, great for budget-minded schools or small laboratories and for those who do not need high resolution images for printing.

www.moticamseries.com | www.moticeurope.com

USB 2.0 CAMERA

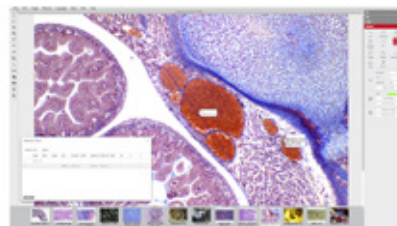




MOTIC IMAGES PLUS 3.0 IMAGE ANALYSIS SOFTWARE

Motic Images Plus 3.0

By connecting your Moticam to your computer you will be able to work with our well-known software, that comes included in the package. View, capture, edit, measure, make reports... all its standard features and the new ones packed in a new user-friendly interface.

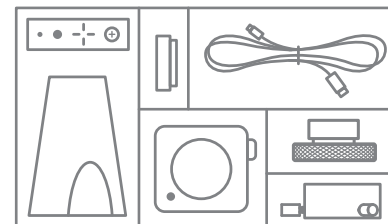


Moticam² TECHNICAL SPECIFICATIONS

Sensor Type	CMOS
Sensor Size	1/3"
Resolution	2.0 MP
Imaging Area	5.12mm x 3.84mm
Live Display Mode (through USB)	1600 x 1200 @ 5 fps*
Pixel Size	3.2µm x 3.2µm
Scan Mode	Progressive
Data Transfer	USB 2.0
Exposure Time	0,09 msec to 6 sec
Operating Temperature	From -10 to +60 Degrees Celsius non condensing
Max. Signal to Noise Ratio	43dB
Dynamic Range	61dB
Sensitivity	1,0V/Lux-sec (550nm)
Support Device	TWAIN, SDK and Direct Show Driver
Supported OS	Microsoft Windows XP/Vista/7/8/10 and MAC OSX & Linux
Minimum Computer Requirements	2GHz dualcore – RAM memory 2GB – Video memory min. 512 MB
Lens Mount	C-Mount
Focusable Lens	12mm
Power supply	5V (USB - supply)
Package Includes	CS Ring Adaptor, Focusable Lens, 30mm and 38mm Eyepiece Adapters, USB 2.0 Cable, Calibration Slide, Macro Tube, Motic Images Plus 3.0 for PC/OSX/Linux

**frames per second
under optimal illumination conditions*

THE [AllinOneBOX] CONCEPT



Everything that you may need to work with your Moticam is included in one box.

Attachable camera	Macro tube
Focusable coated glass lens	Cables and power supplies
Eyepiece adapter	MIP 3.0 Software
4-dot calibration slide	



MOTICAM S Series

MOTICAM S6





MOTICAM S Series

MOTICAM S6

Sensor type	sCMOS
Sensor size	1/1.8"
Imaging area	8.92mm (Diagonal)
Capture resolution	6MP
Live display mode through USB	3072x2048, 1536x1024 pixels
Pixel size	2.4x2.4µm
Scan mode	Progressive
Shutter mode	Rolling Shutter
Data transfer	USB 3.1
Max. frames per second (fps*)	3072x2048 @ 30fps 1536x1024 @ 50fps
Exposure time	16 µsec to 2 sec
Operating temperature	From -10 to +60 Degrees Celsius non condensing
Sensitivity	425mV(G) @ 1/30 sec
Support device	TWAIN, SDK and DirectShow Driver
Supported OS	Microsoft Windows 7/8/10, MAC OSX10.9, Linux or higher
Minimum computer requirements	2GHz dualcore - RAM memory 2GB - Video memory min. 512 MB
Lens mount	C-Mount
Software	Motic Images Plus 3.0 for Windows, OSX and Linux
Functions	Still image and video capture, live and still image measurement, image adjustments, white balance, automatic & manual exposure, individual objective calibration system.
Power supply	5V (from USB Port)
Package includes	CS ring adaptor, USB 3.1 cable, Motic 4-dot calibration slide, Motic Images Plus 3.0 for PC/OSX/Linux

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



Motic®

MORE THAN MICROSCOPY



SOFTWARE

The Motic Images Plus 3.0 probably is the most versatile, intuitive and easy to use free digital microscopy software in the market today and it is given free of charge to any Moticam purchase.

With tools such as counting, annotations, live measurements and filters, this software package allows everyone to quantify the images their microscope provides, turning images into knowledge.

User-friendly interface

Intuitive & Customizable

Multi-platform · Windows, Mac and Linux

Live measurements

www.moticeurope.com | www.moticamseries.com

MOTIC IMAGES PLUS 3.0

IMAGE ANALYSIS SOFTWARE





MI DEVICES - MOTIC LIVE IMAGING MODULE

Basic adjustments TAB

Video Device	Connection of multiple devices at the same time (Selection of the active device)
Resolution	Choice of resolution (depending on camera model)
Exposure	Manual/Automatic
Image adjustments	Gain / Offset / Enhance / Gamma
White Balance	Default / Halogen / LED 3000K / LED 5000K / Custom
Background Balance	Manual
Full screen	Automatic
Storage Format	JPG / BMP / TIFF /

Color adjustments TAB

Color correction	+/- 10 (RGB)
Histogram	Live window in real time

Advanced Settings TAB

Filters	Invert/Gray/Emboss/Red/Green/Blue/Red reverse/Green reverse/Blue reverse
Edge detection	0 / 10
Sharpness	+/- 10
Remove Noise	4 Levels
Live Image Scale	Horizontal and Vertical (user configurable)
Live Image Grid	User configurable
Live Image Scale Cross	X/Y distances (select position)
Calibration	Manual / one-click calibration
PRO options	Histogram / special captures / master clock / 12 bits / Motic Hub / Device Property / Exposure Strategy / Version Information

Video Capture TAB

Record parameters	Single capture / Auto capture / Video Capture
Cooled Enable	Only available with cooled cameras
Cooled Cameras	Internal Sensor with target window (Sensor temp / Ambient temp / Ambient humidity / dew point)
Settings	Save the settings of the camera parameters / Load Default Settings

Measure TAB

Live Measure	Straight Line, Rectangle, Ellipse, Circle, Angle, Circle (3points), Arc (3points), Polygon, Freehand Line, Parallel
Annotations	Text tool
Others	ROI (Region of Interest) / Magnification Stamp / Live FPS
Languages	English / Chinese / Deutsch / Français / Italiano / Español / Português / Arabic / Polski / Lietuvių



MOTIC IMAGES PLUS 3.0

Toolbar	New / Open / Save / Save As / Export / Capture (MID) / Image Comparison / Album / Report / Settings / Magnifier
File	New / Open / Save / Save As / Export / Capture (MID) / Image Comparison / Album / Report
Edit	Selection shapes: Rectangle, Circle, Ellipse, Polygon, Irregular, Select all, Deselect Region Text / Paint (shapes and icons) / Audio
Image	Adjustments: Brightness, Contrast, Hue-Saturation, RGB, Mirror / Rotate / Gray Scale / Invert / Image Size Filters: Blur / Smooth / Sharp / Relief / Grease / Lithograph / Mosaic / Strengthen black region / Weaken black region RGB information depending on position / X/Y Position.
Measure	Line, Rectangle, Circle, Circle (3 points), Arc, Ellipse, Polygon, Irregular, FreeHand Line, Angle, Parallel, Marker, Auto segment, Auto calculation, Calibration Wizard, Calibration Table
Sub-menu	Deselect, Lock, Freeze, Freeze All, Delete, Delete All, Deselect region, Up one layer, Down one layer, Up to top, Down to bottom, Fit to Window, Full Screen, Scale, Properties, File Info

