Motic®

MORE THAN MICROSCOPY

LIVE MEASUREMENTS

NEW DESIGN

MOTICAM 1080N
Full HD Standalone camera

The Moticam 1080N, designed for ease of use and the ability to output fast live images in Full HD (1920x1080px), displays your live images on a screen by connecting the camera through the HDMI port. Make live measurements, notes, image adjustments and more, thanks to its on-board software that can be controlled through the screen by connecting a USB mouse to the camera. By having an integrated micro SD card slot, saving images won´t require a computer, making it easy to save and organize your images and videos. The USB port allows you to connect with a computer, even simultaneously, and use the Motic Images Plus software.

CMOS | 1/2.8" | FULL HD 1080 | USB | HDMI | MICRO SD | | | LIVE | ALL IN ONE BOX

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Technical Specifications

Name	MOTICAM 1080N
Sensor type	CMOS IMX307
Sensor size	1/2.8"
Imaging area	6.46mm (Diagonal)
Capture resolution	6MP (3264X1836)
Image capture resolution (on SD-card)	6MP (3264X1836)
Video capture resolution (on SD-card)	Full HD (1920x1080 pixels)
Live display mode through USB	Full HD (1920x1080 pixels)
Live display mode through HDMI	Full HD (1920x1080 pixels)
Pixel size	2.9x2.9µm
Scan mode	Progressive
Shutter mode	Rolling shutter
Data transfer	HDMI, USB, MicroSD card
Max. frames per second (fps)	Full HD (1920x1080) @ 60 fps (*)
Exposure time	20ms ~ 10s
Operating temperature	From -10 to +60 degrees Celsius non condensing
Slot	Micro-SD Card (Max. 128GB)
Buttons	On/Off
Support device	TWAIN and Direct Show Driver
Minimum computer requirements	2GHz dualcore - RAM memory 2GB - Video memory min. 512 MB
Lens mount	C-Mount
Focusable lens	12mm
Software	On board Software and Motic Images Plus 3.1 for Windows 10 and Mac OSX or higher
Functions	Including exposure, gain, white balance, color adjustment, sharpness and denoising control, zoom, mirror, comparison, freeze, measure, cross, browse function
Power supply	12V (External Power supply)
Package includes	CS ring adaptor, focusable lens, 30mm and 38mm eyepiece adapters, Motic 4-dot calibration slide, macro tube, universal power supply, HDMI cable, USB cable, USB pendrive with Motic Images Plus 3.1
Notes	Transport and storage case

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

ALL IN ONE BOX

Accessories

Turn your images into knowledge: with the Moticam 1080N following our All-In-One-Box method, the included accessories, together with its software, will let you convert almost any conventional microscope into a digital one.

Software

With its own built-in software, the Moticam 1080N makes it possible to view live images, make measurements, image adjustments, or edit them. You can also capture images or record videos directly from a screen with your mouse, storing them in a micro SD card. If you wish to work with our well-known software Motic Images Plus 3.1, which comes included in the package, connect the camera through USB to your computer.