

Moticam S20 Plus

USB CAMERAS

The Moticam S20 Plus is a high-performance digital microscope camera for research, education, clinical, and industrial use. Its Sony ExmorR back-illuminated CMOS sensor delivers exceptional sensitivity, low noise, fast frame rates, and distortion-free imaging, capturing fine details even in low-light conditions. With USB 3.1 transfer and a durable aluminum housing, it ensures reliable, high-speed data transmission. Supporting trigger and ROI modes, the S20 Plus works for brightfield, polarization, low-light, and fluorescence microscopy, as well as diverse machine vision applications, offering clarity, speed, and flexibility.

moticamseries.com | moticmicroscopes.com

SCIENTIFIC CMOS CAMERA





Moticam S20 Plus

TECHNICAL SPECIFICATIONS

Sensor type	Sony Exmor R back-illuminated SCMOS
Sensor size	1"
Imaging area	15.86mm (Diagonal)
Capture resolution	20MP
Live display mode through USB	5472x3648, 2736x1824 pixels
Pixel size	2.4x2.4µm
Scan mode	Progressive
Shutter mode	Rolling Shutter
Data transfer	USB 3.1
Max. frames per second (fps*)	5440x3648 @ 15fps, 2736x1824 @ 50fps, 1824x1216 @ 60fps
Exposure time	15 µsec to 2 sec
Operating temperature	From -10 to +60 Degrees Celsius non condensing
Sensitivity	461mV(G) @ 1/30 sec
Support device	TWAIN, SDK and DirectShow Driver
Supported OS	Windows 7/8/10, MAC OSX, Linux or higher
Minimum computer requirements	2GHz dualcore - RAM memory 2GB - Video memory min. 512 MB
Lens mount	C-Mount
Software	Motic Images Plus 3.1 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 3.1 for PC/OSX/Linux

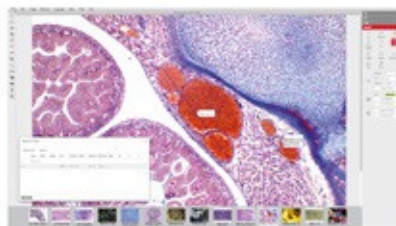
*Frames per second under optimal lighting conditions and in compliance with computer technical requirements.

MOTIC IMAGES PLUS 3.1 IMAGE ANALYSIS SOFTWARE

Grab your image with highest sensor sensitivity. Navigate in the dark!

Motic Images Plus 3.1

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.



FAST FRAME RATES



sCMOS SENSOR



USB 3.1 INTERFACE



MIP 3.1 SOFTWARE