Specification
Sheet

Motic®
MORE THAN MICROSCOPY

MOTICAM S Series

MOTICAM S12

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MOTICAM S12

Sensor type	sCMOS
Sensor size	1/1.7"
Imaging area	9.33mm (Diagonal)
Capture resolution	12MP
Live display mode through USB	4000x3000, 2048x1080 pixels
Pixel size	1.85x1.85µm
Scan mode	Progressive
Shutter mode	Rolling Shutter
Data transfer	USB 3.1
Max. frames per second (fps*)	4000x3000 @ 25fps, 2048x1080 @ 50fps
Exposure time	22 µsec to 2 sec
Operating temperature	From -10 to +60 Degrees Celsius non condensing
Max. signal to noise ratio	0.1mV @1/30 sec
Sensitivity	280mV(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 3.0 for Windows 10, MAC OSX10.9, Linux UBUNTU1604 or higher
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.*