MOTICAM S Series

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MOTICAM S20

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Sensor type	sCMOS
Sensor size	1"
Imaging area	15.86 mm (Diagonal)
Capture resolution	20 MP
Live display mode through USB	5472 x 3648, 2736 x 1824 pixels
Pixel size	2.4 x 2.4 µm
Scan mode	Progressive
Shutter mode	Rolling shutter
Data transfer	USB 3.1
Max. frames per second (fps)	5472 x 3648 @ 18 fps, 2736 x 1824 @ 50 fps
Exposure time	15 µs to 2 s
Operating temperature	From -10 to +60 degrees Celsius non condensing
Max. signal to noise ratio	0.1 mV @ 1/30 s
Sensitivity	461 mV(G) @ 1/30 s
Support device	TWAIN, SDK and DirectShow Driver
Supported OS	Windows 7/8/10, MAC OSX, Linux or higher
Minimum computer requirements	2 GHz dualcore - RAM memory 2 GB - Video memory min. 512 MB
Lens mount	C-Mount
Software	Motic Images Plus 3.0 for Windows 10, MAC OSX 10.9, 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	5 V (From USB Port)
Package includes	CS ring adaptor, USB 3.1 cable, Motic 4-dot calibration slide, Motic Images Plus 3.0
Notes	Transport and storage case

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