



MOTICAM

**Motic**<sup>®</sup>

MORE THAN MICROSCOPY



# MOTICAM S SERIES

HIGH GRADE sCMOS CAMERAS FOR AN ULTIMATE IMAGING RESULT



### THE STARTING POINT

Moticam S1 is the entry model for back-illuminated sensor technology and speedy data transfer (with frame rates up to 120 fps\*), with easy image setting and capturing. Create your perfect images for a professional database.



### A GOOD BALANCE

Moticam S3 performs a mid-size resolution of 3MP, the data volume is keeping the balance between speed and resolution. A flexible tool for education and routine lab, for biomedical environments and industry. The sCMOS sensor guarantees state of the art imaging results for an unbeatable price.



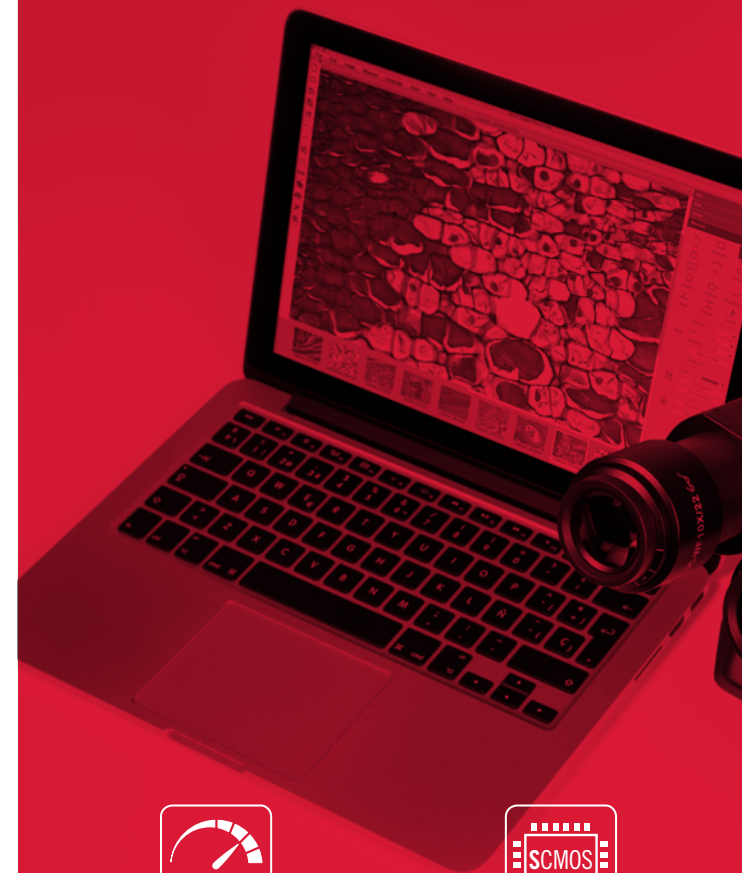
### FOR A GREATER PUBLIC

The 6MP resolution of Moticam S6 is targeted to large-sized monitors and printing purposes. Presentations to a greater audience through video projector, reports in hardcopy are performed with ease of handling. The price/performance ratio is remarkable!



## NEW MOTICAM S SERIES

Motics new sCMOS cameras, designed by German engineers and manufactured by professionals represent an impressive impetus to microscope camera performance. With a member of this product line the door for new application fields opens wide. The accelerated data readout enables to work on fast phenomena in biology and industry.



FAST FRAME RATES



sCMOS SENSORS

## MOTIC IMAGES PLUS 3.0 SOFTWARE

Our well-known Motic Images software, always with a cost-free upgrade option is included in all camera packages and enables to view images at maximum quality, capture, edit, measure and report the result... all these features are ready to work on your PC or laptop.



USB 3.1 INTERFACE

MIP 3.0 SOFTWARE

### MAXIMUM DETAILS

If it is about maximum resolution for display or printing, Moticam S12 is your choice. A 25 fps\* frame rate manages the largest data volume of all Moticam S models. If the tiniest detail is in your focus, Moticam S12 is your solution.



### LOW LIGHT, FAST PHENOMENA

Moticam Pro S5 Lite delivers a 5MP mid-size resolution for all biological/medical fields, showing a premium sensitivity for lowlight situations in Fluorescence and Polarization. The Global shutter data readout helps to accelerate data transfer from fast phenomena, from single-cell organisms to industrial work with clockworks or extrusion processes.



### AN ULTIMATE SOLUTION, STILL AFFORDABLE

Moticam Pro S5 Plus carries a large 2/3" sensor with 5MP resolution at a maximized frame rate of 70 fps\* in full resolution. This camera covers all important aspects of imaging: resolution for detail information, speed for fast phenomena and a large sensor to cover extended areas in a single shot.



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

MODEL	S1	S3	S6	S12	PRO S5 LITE	PRO S5 PLUS
Sensor type	sCMOS	sCMOS	sCMOS	sCMOS	sCMOS	sCMOS
Sensor size	1/3"	1/2.8"	1/1.8"	1/1.7"	2/3"	2/3"
Imaging area	6.09mm (Diagonal)	6.44mm (Diagonal)	8.92mm (Diagonal)	9.33mm (Diagonal)	11.1mm (Diagonal)	11.1mm (Diagonal)
Capture resolution	1.2MP	3MP	6MP	12MP	5MP	5MP
Live display mode through USB	1280x960	2048x1536	3072x2048	4000x3000	2448x2048	2448x2048
	640x480	1920x1080	1536x1024	2048x1080	1224x1024	1224x1024
Pixel size	3.75x3.75µm	2.5x2.5µm	2.4x2.4µm	1.85x1.85µm	3.45x3.45µm	3.45x3.45µm
Scan mode	Progressive					
Shutter mode	Rolling Shutter				Global Shutter	
Data transfer	USB 3.1					
Max. frames per second (fps*)	1280x960 @ 120fps	2048x1536 @ 60fps	3072x2048 @ 30fps	4000x3000 @ 25fps	2448x2048 @ 37.5fps	2448x2048 @ 68.3fps
	640x480 @ 240fps	1920x1080 @ 60fps	1536x1024 @ 50fps	2048x1080 @ 50fps	1224x1024 @ 88.4fps	1224x1024 @ 175.8fps
Exposure time	15 µsec to 2 sec	21 µsec to 2 sec	16 µsec to 2 sec	22 µsec to 2 sec	14 µsec to 2 sec	7 µsec to 2 sec
Operating temperature	From -10 to +60 Degrees Celsius non condensing					
Sensitivity	2350mV(G) @ 1/30 sec	600mV(G) @ 1/30 sec	425mV(G) @ 1/30 sec	280mV(G) @ 1/30 sec	1146mV(G) @ 1/30 sec	1146mV(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.