

**Motic®**

MORE THAN MICROSCOPY

## MOTICAM S MOTICAM ProS

### SCIENTIFIC GRADE CMOS SENSOR CAMERAS

Motic designs MoticamS and MoticamProS camera line using highly sensitive Mega Pixels CMOS sensors, Motic's own image processing technology and USB3.1 interface.

It provides high quality live and still images in microscopy system. Available Mega to tens Mega Pixels resolutions and all cameras are fully computer controlled with electronic shutters.

#### Key Features

- Super Fast Frame rates with USB3.1 interface
- Easy to replace your old imaging device
- Compact size and light weight
- Two color LED status indicator



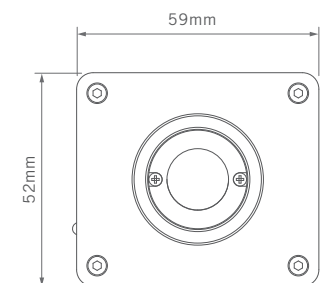
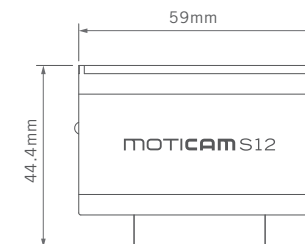
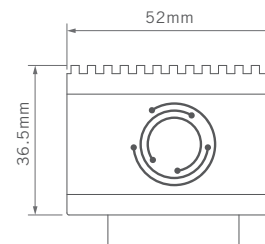
**MOTICAM**

[www.moticamseries.com](http://www.moticamseries.com) | [www.motic.com](http://www.motic.com)

**BETTER IMAGE QUALITY +  
SUPER FAST +  
ULTRA COMPACT**



#### Camera Dimension information





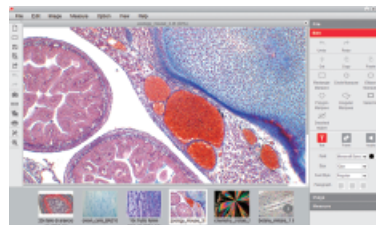
## MOTICAM S & MOTICAM ProS TECHNICAL SPECIFICATIONS

MOTICAM	S1	S3	S6	S12	S20	MoticamProS5 Lite	MoticamProS5 Plus
Sensor Type	sCMOS						
Sensor Size	1/3"	1/2.8"	1/1.8"	1/1.7"	1"	2/3"	2/3"
Resolution	1.2M	3M	6M	12M	20M	5M	5M
Imaging Area (Diagonal)	6.09 mm	6.44 mm	8.92 mm	9.33 mm	15.86 mm	11.1 mm	11.1 mm
Pixel Size	3.75µm x 3.75µm	2.5µm x 2.5µm	2.4µm x 2.4µm	1.85µm x 1.85µm	2.4µm x 2.4µm	3.45µm x 3.45µm	3.45µm x 3.45µm
Max. Frame Rate:	1280 x 960 @ 120 fps 640 x 480 @ 240 fps	2048 x 1536 @ 60fps 1920 x 1080 @ 60fps	3072 x 2048 @ 30fps 1536 x 1024 @ 50fps	4000 x 3000 @ 25 fps 2048 x 1080 @ 50 fps	5472 x 3648 @ 18fps 2736 x 1824 @ 50fps	2448 x 2048 @ 35.7fps 1224 x 1024 @ 88.4fps	2448 x 2048 @ 68.3fps 1224 x 1024 @ 175.8fps
Scan Mode	Progressive						
Shutter Mode	Rolling Shutter	Rolling Shutter	Rolling Shutter	Rolling Shutter	Rolling Shutter	Global Shutter	Global Shutter
Data Transfer	USB3.1						
Exposure Time	15us ~ 2sec	21us ~ 2 sec	16us ~ 2sec	22us~2sec	15us ~ 2sec	14us ~ 2 sec	7us~2sec
Sensitivity (G)	2350 mV @ 1/30 sec	600 mV @ 1/30 sec	425 mV @ 1/30 sec	280 mV @ 1/30 sec	461 mV @ 1/30 sec	1146 mV @ 1/30 sec	1146 mV @ 1/30 sec
Focusable Lens	12mm	12mm	16mm	16mm	25mm	16mm	16mm
Power consumption	less1.0W@ 5V (USB-supply)	less1.0W@ 5V (USB-supply)	less1.0W@ 5V (USB-supply)	less1.0W@ 5V (USB-supply)	less1.5W@ 5V (USB-supply)	less1.5W@ 5V (USB-supply)	less1.5W@ 5V (USB-supply)
Lens Mount	CS-Mount				C-Mount	CS-Mount	
Support Device	TWAIN, SDK and DirectShow Driver						
Supported OS (Recommended)	Higher than Microsoft Windows7/8/10, MAC OSX10.9 and Linux						
Minimum Computer Requirements (Recommended)	2GHz Dualcore, RAM memory 2GB and Video Memory Min 512MB						
Operating Temperature	From -10 to + 60 degree celsius non condensing						
Package Includes	CS Ring Adaptor, Calibration Slide, USB3.1 cable, Image Plus 3.0 for PC / OSX / Linux (Accessories Package) Focusable Lens, 30mm and 38mm Eyepiece Adapter, Macro Tube and Macro Tube Calibration dot						

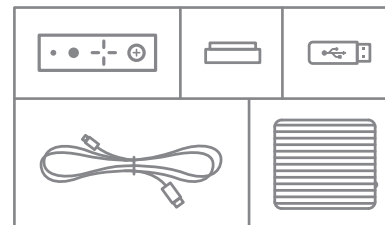
### MOTIC IMAGES PLUS 3.0 IMAGE ANALYSIS SOFTWARE

#### Motic Images Plus 3.0

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.



### EVERYTHING THAT YOU MAY NEED TO WORK WITH YOUR MOTICAM IS INCLUDED IN ONE BOX.



Camera  
USB3.1 cable  
Calibration slide  
C Mount adapter  
MIP3.0 software