

MOTICAM Series

# MOTICAM 1080





MOTICAM Series - FULL HD Cameras

## MOTICAM 1080

<b>Sensor type</b>	CMOS
<b>Sensor size</b>	1/2.8"
<b>Imaging area</b>	5.346x3.003mm
<b>Capture resolution</b>	8MP (3840x2160 pixels)
<b>Image capture resolution (On SD-card)</b>	8MP (3840x2160 pixels)
<b>Video capture resolution (On SD-card)</b>	1920x1080p (Full HD)
<b>Live display mode through USB</b>	1920x1080 pixels (Full HD)
<b>Live display mode through HDMI</b>	1920x1080 (Full HD)
<b>Pixel size</b>	2.8x2.8µm
<b>Scan mode</b>	Progressive
<b>Data transfer</b>	HDMI (1080p), USB 2.0
<b>Max. frames per second (fps)</b>	USB: 1920x1080 (Full HD) @ 30 fps, HDMI: 1920x1080 (Full HD) @ 60 fps
<b>Exposure time</b>	"0.06ms ~ 40ms with Auto Exposure mode, (0.06ms ~ 999ms with Manual Exposure mode)"
<b>Operating temperature</b>	From -10 to +60 Degrees Celsius non condensing
<b>Max. signal to noise ratio</b>	40dB
<b>Dynamic range</b>	71dB
<b>Sensitivity</b>	0.51V (Typical at 1/30 sec)
<b>Slot</b>	SD Card (max 32Gb)
<b>Buttons</b>	On/Off
<b>Support device</b>	TWAIN and Direct Show Driver
<b>Supported OS</b>	Windows XP SP3/Vista/7/8/10 and MAC OSX, Linux
<b>Minimum computer requirements</b>	2GHz dualcore - RAM memory 2GB - Video memory min. 512 MB
<b>Lens mount</b>	C-Mount
<b>Focusable lens</b>	12mm
<b>Software</b>	On-board software
<b>Functions</b>	Still image capture, live image record, zoom in & out, magnifier, ROI, mirror, rotation, split, freeze, cross line, gallery, Auto/Manual exposure, gain, target brightness setting, light frequency, Auto/Manual white balance Mode, saturation, contrast, gamma, sharpness, denoise, user settings, system's time setting, language (English, Chinese and Japanese), format SD card.
<b>Power supply</b>	12V (External Power supply)
<b>Package includes</b>	CS ring adaptor, focusable lens, 30mm and 38mm eyepiece adapters, USB 2.0 cable, HDMI cable, Motic 4-dot calibration slide, macro tube, Motic Images Plus 3.0 for PC/OSX/ Linux, universal power supply

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