

MOTICAM Series

MOTICAM 1080





MOTICAM Series - FULL HD Cameras

MOTICAM 1080

Sensor type	CMOS
Sensor size	1/2.8"
Imaging area	5.346x3.003mm
Capture resolution	8MP (3840x2160 pixels)
Image capture resolution (On SD-card)	8MP (3840x2160 pixels)
Video capture resolution (On SD-card)	1920x1080p (Full HD)
Live display mode through USB	1920x1080 pixels (Full HD)
Live display mode through HDMI	1920x1080 (Full HD)
Pixel size	2.8x2.8µm
Scan mode	Progressive
Data transfer	HDMI (1080p), USB 2.0
Max. frames per second (fps)	USB: 1920x1080 (Full HD) @ 30 fps, HDMI: 1920x1080 (Full HD) @ 60 fps
Exposure time	"0.06ms ~ 40ms with Auto Exposure mode, (0.06ms ~ 999ms with Manual Exposure mode)"
Operating temperature	From -10 to +60 Degrees Celsius non condensing
Max. signal to noise ratio	40dB
Dynamic range	71dB
Sensitivity	0.51V (Typical at 1/30 sec)
Slot	SD Card (max 32Gb)
Buttons	On/Off
Support device	TWAIN and Direct Show Driver
Supported OS	Windows XP SP3/Vista/7/8/10 and MAC OSX, Linux
Minimum computer requirements	2GHz dualcore - RAM memory 2GB - Video memory min. 512 MB
Lens mount	C-Mount
Focusable lens	12mm
Software	On-board software
Functions	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.
Power supply	12V (External Power supply)
Package includes	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.