



Moticam 1080 HDMI & USB



Sensor Type	CMOS						
Sensor Size	1/2.8"						
Resolution	8.0 MP						
Imaging Area	6.4 mm (Diagonal)						
Capture format (on SD-card)	Still Image 3840 x 2160 (8.0MP) / Video Full HD 1980 x 1080						
Live Display Mode (through USB)	1920 x 1080 (Full HD) @ 30 fps*						
Live Display Mode (through HDMI)	1920 x 1080 (Full HD) @ 60 fps*						
Pixel Size	2.8µm x 2.8µm						
Scan Mode	Progressive						
Data Transfer	HDMI (1080p) and USB2.0						
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	Microsoft 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						
On-board software	<table> <tr> <td>Standard tools</td><td>Still image capture, Live image record, Zoom in & out, Magnifier, ROI, Mirror, Rotation, Split, Freeze, Cross line, Gallery.</td></tr> <tr> <td>Image adjustments (AE/AWB)</td><td>Auto/Manual Exposure mode, Gain, Target Brightness setting, Light Frequency, Auto/Manual White Balance mode.</td></tr> <tr> <td>Advanced settings</td><td>Saturation, Contrast, Gamma, Sharpness, Denoise, User settings, System's Time setting, Language (English, Chinese and Japanese), Format SD card.</td></tr> </table>	Standard tools	Still image capture, Live image record, Zoom in & out, Magnifier, ROI, Mirror, Rotation, Split, Freeze, Cross line, Gallery.	Image adjustments (AE/AWB)	Auto/Manual Exposure mode, Gain, Target Brightness setting, Light Frequency, Auto/Manual White Balance mode.	Advanced settings	Saturation, Contrast, Gamma, Sharpness, Denoise, User settings, System's Time setting, Language (English, Chinese and Japanese), Format SD card.
Standard tools	Still image capture, Live image record, Zoom in & out, Magnifier, ROI, Mirror, Rotation, Split, Freeze, Cross line, Gallery.						
Image adjustments (AE/AWB)	Auto/Manual Exposure mode, Gain, Target Brightness setting, Light Frequency, Auto/Manual White Balance mode.						
Advanced settings	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, HDMI cable, Focusable Lens, 30mm and 38mm Eyepiece Adapters, USB 2.0 Cable, Calibration Slide, Macro Tube, Motic Images Plus 3.0 for PC/OSX/Linux						

*frames per second under optimal illumination conditions