



Moticam 1080 HDMI & USB



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|---|---|----------------|--|----------------------------|--|-------------------|--|
| Sensor Type | CMOS | | | | | | |
| Sensor Size | 1/2.8" | | | | | | |
| Imaging Area | 6.4 mm (Diagonal) | | | | | | |
| Capture resolution (on SD-card) | Still Image: 8.0MP (3840 x 2160) / 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 border="0"> <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. |
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| 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 | | | | | | |

(Camera connected through HDMI to a HD screen and through USB to a mouse)

*frames per second under optimal illumination conditions