



Moticam 1080BMH

Integrated screen

Model	Moticam 1080 BMH	
Sensor Type	CMOS	
Sensor Size	1/2.8"	
Imaging Area	6.4mm (Diagonal)	
Capture resolution (on SD-card)	Still Image: 8.0MP (3840 x 2160) / Video: Full HD 1920 x 1080	
Live Display Mode (through USB)	1920 x 1080 @ 30 fps*	
Live Display Mode (through HDMI)	1920 x 1080 @ 60 fps*	
Pixel Size	2.8µm x 2.8µm	
Scan Mode	Progressive	
Data Transfer	HDMI (1080p) and USB2.0	
Exposure Time	0,06 ms ~to 40ms with Auto Exposure mode 0,06 ms ~to 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 1/30sec)	
Slot	SD Card (max 32Gb)	
Support Device	Twain and Direct Show Driver	
Supported OS	Microsoft Windows XP SP3/7/8/10, MAC OSX and Linux	
Minimum Computer Requirements	2GHz Dualcore – RAM memory 2GB – Video memory min. 512 MB	
Screen	LCD 11,6" Full HD	
On-board software	Standard tools	Still image capture, Live image record, Zoom in & out, Magnifier, ROI, Mirror, Rotation, Split, Freeze, Cross line, Gallery.
(Camera connected through HDMI to a HD screen and through USB to a mouse)	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	HDMI cable, USB 2.0 Cable (A male to A male Cable), Calibration Slide, Universal Power Supply, Motic Images Plus 3.0 for PC/OSX/Linux	

*frames per second under optimal illumination conditions