



# Moticam 1080BMH

Integrated screen

<b>Model</b>	Moticam 1080 BMH	
<b>Sensor Type</b>	CMOS	
<b>Sensor Size</b>	1/2.8"	
<b>Imaging Area</b>	6.4mm (Diagonal)	
<b>Capture resolution (on SD-card)</b>	Still Image: 8.0MP (3840 x 2160) / Video: Full HD 1920 x 1080	
<b>Live Display Mode (through USB)</b>	1920 x 1080 @ 30 fps*	
<b>Live Display Mode (through HDMI)</b>	1920 x 1080 @ 60 fps*	
<b>Pixel Size</b>	2.8µm x 2.8µm	
<b>Scan Mode</b>	Progressive	
<b>Data Transfer</b>	HDMI (1080p) and USB2.0	
<b>Exposure Time</b>	0,06 ms ~to 40ms with Auto Exposure mode 0,06 ms ~to 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 1/30sec)	
<b>Slot</b>	SD Card (max 32Gb)	
<b>Support Device</b>	Twain and Direct Show Driver	
<b>Supported OS</b>	Microsoft Windows XP SP3/7/8/10, MAC OSX and Linux	
<b>Minimum Computer Requirements</b>	2GHz Dualcore – RAM memory 2GB – Video memory min. 512 MB	
<b>Screen</b>	LCD 11,6" Full HD	
<b>On-board software</b>	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.
<b>Power supply</b>	12V (External Power supply)	
<b>Package Includes</b>	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