

MOTICAM SERIES / **MOTICAM 1080N BMH**

**LIVE**  
 MEASUREMENTS



**NEW**  
 DESIGN

## MOTICAM 1080N BMH

### Full HD Standalone camera

The Moticam 1080N BMH, designed for ease of use and the ability to output fast live images in Full HD (1920x1080px), displays your live images on an integrated LCD screen by connecting the camera through the HDMI port. Make live measurements, notes, image adjustments and more, thanks to its on-board software that can be controlled through the screen by connecting a USB mouse to the camera. By having an integrated micro SD card slot, saving images won't require a computer, making it easy to save and organize your images and videos. The USB port allows you to connect with a computer, even simultaneously, and use the Motic Images Plus software.



# Technical Specifications

<b>Name</b>	<b>MOTICAM 1080N BMH</b>
<b>Sensor type</b>	CMOS IMX307
<b>Sensor size</b>	1/2.8"
<b>Imaging area</b>	6.46mm (Diagonal)
<b>Capture resolution</b>	6MP (3264X1836)
<b>Image capture resolution (on SD-card)</b>	6MP (3264X1836)
<b>Video capture resolution (on SD-card)</b>	Full HD (1920x1080 pixels)
<b>Live display mode through USB</b>	Full HD (1920x1080 pixels)
<b>Live display mode through HDMI</b>	Full HD (1920x1080 pixels)
<b>Pixel size</b>	2.9x2.9µm
<b>Scan mode</b>	Progressive
<b>Shutter mode</b>	Rolling shutter
<b>Data transfer</b>	HDMI, USB, MicroSD card
<b>Max. frames per second (fps)</b>	Full HD (1920x1080) @ 60 fps (*)
<b>Exposure time</b>	20ms - 10s
<b>Operating temperature</b>	From -10 to +60 degrees Celsius non condensing
<b>Slot</b>	Micro-SD Card (Max. 128GB)
<b>Buttons</b>	On/Off
<b>Support device</b>	TWAIN and Direct Show Driver
<b>Minimum computer requirements</b>	2GHz dualcore - RAM memory 2GB - Video memory min. 512 MB
<b>Lens mount</b>	C-Mount
<b>Screen</b>	11.6" Native 1920x1080 pixels Full HD Screen with Bracket
<b>Software</b>	On board Software and Motic Images Plus 3.1 for Windows 10 and Mac OSX or higher
<b>Functions</b>	Including exposure, gain, white balance, color adjustment, sharpness and denoising control, zoom, mirror, comparison, freeze, measure, cross, browse function
<b>Power supply</b>	12V (External Power supply)
<b>Package includes</b>	CS ring adaptor, Motic 4-dot calibration slide, universal power supply, HDMI cable, USB cable, USB pendrive with Motic Images Plus 3.1
<b>Notes</b>	Transport and storage case

(\*) Frames per second under optimal lighting conditions and in compliance with computer technical requirements.

## Software

With its own built-in software, the Moticam 1080N BMH makes it possible to view live images, make measurements, image adjustments, or edit them. You can also capture images or record videos directly from a screen with your mouse, storing them in a micro SD card. If you wish to work with our well-known software Motic Images Plus 3.1, which comes included in the package, connect the camera through USB to your computer.

