



Camera model

Moticam A1

Starter model for all those who wants to dive into the world of small things: Kindergarten Education, Hobbyists from stamps to coins.

Moticam A2

Shaped for the educational areas: Biology observations from basic school to university.

Moticam A5

The perfect choice for all with sophisticated applications. No comprises necessary: Superb resolution versus frame transmitting rate. For presentations in diverse educational areas: Details and Flexibility for a wide range of applications.

Moticam A8

Higher resolution demanded like in advanced technical training area or education fields of universities or faculties? Perfect solution for tiny structures and insights on other stunning preparations.

Moticam A16

More resolution essential. Full overview of preparations is the aim? Then A16 is the right choice. Suitable to achieve educational goals in specific teaching areas such as forensic, botanic, medicine, pharmaceutical or other demanding fields.

SKU	1100600101412	1100600101292	1100600101302	1100600101443	1100600101463
Sensor Type	sCMOS				
Sensor Size	1/3.1"	1/3.1"	1/2.8"	1/3"	1/2.3"
Imaging Area	5.95mm (Diagonal)	5.95mm (Diagonal)	6.52mm (Diagonal)	5.91mm (Diagonal)	7.77mm (Diagonal)
Capture Resolution	1MP	2MP	5MP	8MP	16MP
Live Display Mode through USB	1280x720, 1024x768 pixels	1920x1080, 1280x720 pixels	2592x1944, 2048x1536, 1920x1080 pixels	3840x2160, 1920x1080 pixels	4608x3456, 3264x2448, 1920x1080 pixels
Pixel Size	4.1x4.1µm	2.7x2.7µm	2x2µm	1.34x1.34µm	1.34x1.34µm
Scan Mode	Progressive				
Shutter Mode	Rolling Shutter				
Data Transfer	USB 2.0				
Max. Frames per second (fps)	1280x720 @ 30 fps, 1024x768 @ 30 fps (*)	1920x1080 @ 30 fps, 1280x720 @ 30 fps (*)	2592x1944 @ 30fps, 2048x1536 @ 30fps, 1920x1080 @ 30fps (*)	3840x2160 @ 15fps, 1920x1080 @ 30fps (*)	4608x3456 @ 15fps, 3264x2448 @ 15fps, 1920x1080 @ 30fps (*)
Operating Temperature	From -10 to +60 Degrees Celsius non condensing				
Sensitivity	>2000mV				
Support Device	TWAIN, SDK and Direct Show Driver				
Supported OS	Microsoft Windows 10, MAC OSX10.9, Linux UBUNTU1604 or higher				
Minimum Computer Requirements	2GHz dualcore - RAM memory 2GB				
Lens Mount	C-Mount				
Focusable Lens	12mm				
Software	MotiConnect for Windows/OSX/Linux (Download only)				
Functions	Still image and video capture, still image measurement, image adjustments, white balance, automatic & manual exposure, individual objective calibration system.				
Power Supply	5V (USB supply)				
Package Includes	CS ring adaptor, focusable lens, 30mm and 38mm eyepiece adapters, USB 2.0 cable, Motic 4-dot calibration slide, macro tube, Calibration card				

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