



Motic[®]

MORE THAN MICROSCOPY

Moticam A Series

DIGITAL CAMERAS STARTER LINE





Moticam A Series

Flexibility through VARIATION, INHERIT knowledge to the next generation, SELECTING everything you need whilst saving TIME and being able to ADAPT. The 5 words of VISTA, the basic steps of evolution and latin “vedere” for sight.

The new A Series is designed with those steps in mind. The letter A is also the first letter of the Alphabet and used for designations. Even the story of human existence starts with Adam, Atoms and Alpha.

We could have also called the new camera Series ALPHA, because this digital camera is ultimately developed and designed for newcomers in digital imaging and young explorers with ambitious goals. For this reason, the newest technologies are hidden in a robust metal housing. It's simple to use, without time consuming training, thanks to our application software.



USB



Variation

Whatever your focus and application might be, you have 5 Models to choose from. Decide between an ideal Starter Kit A1, the speedy A2 or the ideal balance of flexibility with the A5. If your need is 4K live-imaging and documentation, the A8 is a clear option. Want to go above all that? The A16 is waiting. Define your Alpha Variation.

Inheritance

As an explorer, young or old, new or experienced, the findings want to be documented. It was never easier to save, share and archive all your explorations than today. Inherit your discoveries, no matter the device you are using or your microscopy knowledge.

Selection

Any microscope fits. All models from 1 up to 16 MP with up to 30 frames per second, are giving you a deeper view on your slide. Do you want to quantify, to measure? Make children aware of the dimensions of a bumblebee? Need only a partial picture or edit your findings? All models include all the necessary tools. No matter if it is a teaching environment, hobbyist, or scientist, it is all about what you select, what you focus and what you measure.



Time and Adaptation

Time is precious and limited. For this reason alone, the A Series is easy to install and ready for immediate use. When we promise All-In-One, we mean that all accessories are included. A calibration slide, eyepiece adapters for any eyepiece tube, a focusable lens and even a macro tube is part of the package. The All-In-One solution for a headstart is our Moticam A Series.





MotiConnect

Easy - Flexible - Downloadable

The MotiConnect is a multi-platform toolbox to make the most out of your new Moticam A Series product. Capture, Annotate, Measure and evaluate using simple to understand and easy to use tools. This free software can also be enhanced by purchasing the more advanced Motic Images Plus 3.1 from your nearest Motic Outlet.



Download MotiConnect:

<https://app.motic.com/ecn/moticonnect.html>



Camera model	Moticam A1	Moticam A2	Moticam A5	Moticam A8	Moticam A16
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.



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Design Change: The manufacturer reserves the right to make changes in instrument design in accordance with scientific and mechanical progress, without notice and without obligation.

