

Moticom Pro	205A	252A	282A	285A	205B	252B	282B	285B	205C	285C	205D	285D
CCD Sony ICX	1/2"	1/1.8"	2/3"	2/3"	1/2"	1/1.8"	2/3"	2/3"	1/2"	2/3"	1/2"	2/3"
Features	Color				Color Peltier				Monochrome		Monochrome Peltier	
Resolution	1.4 Mp	3.2 Mp	5.0Mp	1.4 Mp	1.4 Mp	3.2 Mp	5.0 Mp	1.4 Mp	1.4 Mp	1.4 Mp	1.4 Mp	1.4 Mp
Total pixels	1392X1040	2088X1550	2588X1960	1392X1040	1392X1040	2088X1550	2588X1960	1392X1040	1392X1040	1392X1040	1392X1040	1392X1040
Number of active pixels	1360X1024	080X1542 (4:3)	2580X1944	360X1024 (4:3)	1360X1024	080X1542 (4:3)	2580X1944	360X1024 (4:3)	1360X1024	360X1024 (4:3)	1360X1024	1360X1024 (4:3)
Pixel Size (microns)	4.65X4.65	3.45X3.45	3.40X3.40	6.45X6.45	4.65X4.65	3.45X3.45	3.40X3.40	6.45X6.45	4.65X4.65	4.65X4.65	4.65X4.65	6.45X6.45
Live display mode and capture size	1360X1024 680X512 320X256 Select Size (ROI)	2048X1536 1024X768 512X384 Select Size (ROI)	2560X1920 1280X960 640X480 Select Size (ROI)	1360X1024 680X512 340X256 Select Size (ROI)	1360X1024 680X512 320X256 Select Size (ROI)	2048X1536 1024X768 512X384 Select Size (ROI)	2560X1920 1280X960 640X480 Select Size (ROI)	1360X1024 680X512 340X256 Select Size (ROI)	1360X1024 680X512 320X256 Select Size (ROI)	1360X1024 680X512 340X256 Select Size (ROI)	1360X1024 680X512 320X256 Select Size (ROI)	1360X1024 680X512 340X256 Select Size (ROI)
Scan	Progressive	Frame Readout		Progressive		Frame Readout		Progressive				
Maximun Frame Rate	10 frames/S	8.5 frames/S	7 frames/S	15 frames/S	10 frames/S	8.5 frames/S	7 frames/S	15 frames/S	10 frames/S	15 frames/S	10 frames/S	15 frames/S
Buffer	4 Frames											
Integrated Filter	Schott BG 40 Bandpass											
Bit Depth	8 bits (through MI Device) 12 Bits (through SDK or compatible software)											
Shutter	Continuous Variable-Speed											
Lens mount	C-Mount											
Exposure Time	1/1000 to 6 sec											
System Connection	USB2.0											
Power Supply	5V (USB)				Universal Power Supply (5V)				5V (USB)		Universal Power Supply (5V)	
Peltier Device	Up to 10° 0 ~ 60° C											
Operating Temperature	0 ~ 60° C											
Operating Humidity	40% - 80% (35°)											
Dimensions	117mm (L) X 65mm (W) X 62mm (H)											
Weight	406 grams				546 grams				406 grams		546 grams	
Support Device	Driver USB2 Device / TWAIN / SDK / Direct Show Driver / Trigger Port (TTL)											
OS Compatibility	Windows XP/Vista/Seven and MAC OSX											

Options available	Unit Control Software (MI Device)
Video Device	Connection of multiple devices at the same time (Selection of the active device)
ROI function	Region Object Interest (manual selection)
Exposure time	Manual/automatic
Full screen	Automatic
White Balance	Set Method, color balance adjustment
Image adjustments	Gain / Offset / Enhance / Gamma
Storage Format	SFC / JPG / BMP / TIFF / DCM (Available on Motic Advanced 3.2)
Background Balance	Manual
Color correction	+/- 10 (RGB)
Histogram	Live window in real time
Filters Live Image	Invert/Gray/Emboss/Red/Green/Blue/Red reverse/Green reverse/Blue reverse
Edge detection	0 /10
Sharpnees	+/- 10
Remove Noise	4 Levels
Scale	Live Images, Horizontal and Vertical (user configurable)
Grid	User configurable
Scale Cross	X e Y distances (select position)
Record parameters	Single capture / Auto capture / Video Capture
Cooled Enable	Only available whit cooled cameras
Cooled Cameras	Internal Sensor with target window (Sensor temp/Ambient temp/Ambient humidity/dow point)