

Model	MX-A500M-116	MX-A500K-116
Sensor	Sony CMOS Pregius	
Sensor format	2/3 inch	
Pixel size ( $\mu\text{m}$ )	3.45 x 3.45	
Effective pixels	2464 x 2056	
Max frame rate (1ch)	116 fps	
Scanning system	Progressive	
Color	Mono Chrome	Color
Scanning method	Full / AOI (Horizontal + Vertical) / Decimation (Horizontal + Vertical) / Reverse (X, Y, All)	
Sync. system	Internal (Freerun), External, Software trigger via PC	
Trigger mode	Fixed shutter, Pulse width shutter	
Shutter mode	Global	
Shutter speed	4.07 $\mu\text{s}$ ~ 3 sec	
Gain	Analog : 0dB ~ 24dB Digital : 0dB ~ 18dB	
Black level	Digital : 0~1023 (10bit)	
Gamma	Adjustable LUT (10bit to 10bit)	
Auto white balance	Off / Once / Continuous (Only Color Models)	
Auto gain / exposure	Off / Once / Continuous	
ROI	Horizontal / Vertical ROI Support	
Video I/F	CoaXpress	
Video format	Mono8/10, Mono10 Packed	Mono8/10, Mono10 Packed, Bayer8/10, Bayer10 Packed, YUV422 Packed
Minimum illumination	1.0 lx, F1.4, Gain MAX, without IR cut filter	
SNR	38dB	40dB
Function control	Gain Auto, Exposure Auto, Acquisition Frame Rate (Adjustable), Shading correction (FFC), Color Transformation Control, Balance White Auto (Only Color Models)	
Lens mount	C mount	
Power requirements	12~24VDC $\pm$ 10% or PoCXP	
Consumption	<3.1W at 24Vdc $\pm$ 10%	
Weight	<52g	
Dimension	29 x 29 x 29 mm (without mount)	
Operating / Storage	0 $^{\circ}\text{C}$ ~ + 40 $^{\circ}\text{C}$ / -10 $^{\circ}\text{C}$ ~ + 50 $^{\circ}\text{C}$ (with <20~80% RH)	
Vibration / Shock	98m/s <sup>2</sup> (10G) / 490m/s <sup>2</sup> (50.0G)	
Standard compliancy	CE (EN61326-1;2006년; Class A)	
Environments	RoHS / WEEE	
Warranty	3 years	