

1.2.2 MER-031-300Gx-P Specifications

Specifications	MER-031-300GC-P	MER-031-300GM-P
Resolution	640 x 480	
Sensor Type	CMOS	
Optical Size	1/4 inch ON PYTHON 300	
Pixel Size	4.8 μ m x4.8 μ m	
Frame Rate	300fps@ 640x 480	
ADC Bit Depth	10bit	
Pixel Bit Depth	8bit,10bit	
Shutter Time	20 μ s~1s	
Gain	0dB ~16dB	
Pixel Data Formats	Bayer RG8/Bayer RG10	Mono8/Mono10
Signal Noise Ratio	34dB	49dB
Definition	>586lines	>494 lines
Synchronization	Hardware trigger, software trigger	
I/O	1 opto-isolated input line and 1 opto-isolated output line,2 GPIOs	
External Trigger and Exposure Control Cable	Shielded industrial connector	
Operating Temp.	0°C~45°C	
Storage Temp.	-20°C~70°C	
Operating Humidity	10% ~80%	
Camera Power Requirements	PoE (Power over Ethernet 802.3af compliant) or +12 VDC (\pm 10%), supplied via the camera's 8-pin Hirose connector	

Power Consumption	< 3W @ 12VDC <3.75W@ PoE
Lens Mount	C
Dimensions	38.3mm x29mm x29 mm(without lens adapter or connectors)
Weight	75g
Software	Windows XP/Win7/Win8 32bit,64bit OS
Data Interface	Fast Ethernet(100Mbit/s) or Gigabit Ethernet(1000Mbit/s)
Programmable Control	Image size, gain, Exposure time, trigger polarity, flash polarity
Regulations	RoHS, CE, GigE Vision,GenICam,IEEE802.3af