

ME2P-2621-4GM/C-P

26MP CMOS GigE Area Scan Camera



The ME2P-2621-4GM/C-P camera is a monochrome/color GigE Vision camera with the Gpixel GMAX0505 CMOS sensor. Four-side mounting holes provide maximum installation flexibility. Thanks to the extremely compact, robust metal housings and locking screw connectors, the MERCURY2 Pro cameras can secure the reliability of cameras deployed in harsh environments.

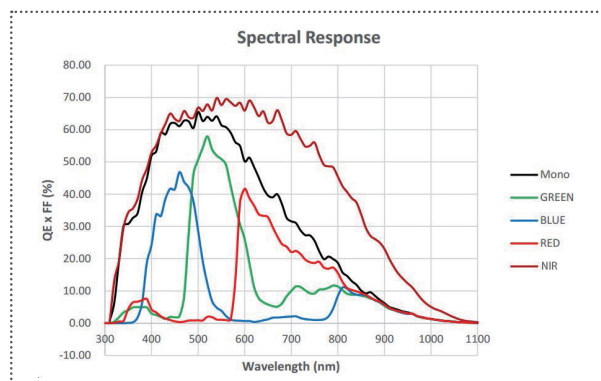
Applications

Suitable for machine vision applications such as industrial inspection, medical, scientific research, education, security and so on.

Features

- Gamma, Black Level, Digital Shift, Sharpness
- Flat Field Correction, Static Defect Correction
- Binning, Decimation
- Color models support Light Source Presett, Color Transformation Control, Saturation and White Balance
- Monochrome models support Noise Reduction
- Timer, Counter, LUTs and User Set Control

Spectral Response



Specifications

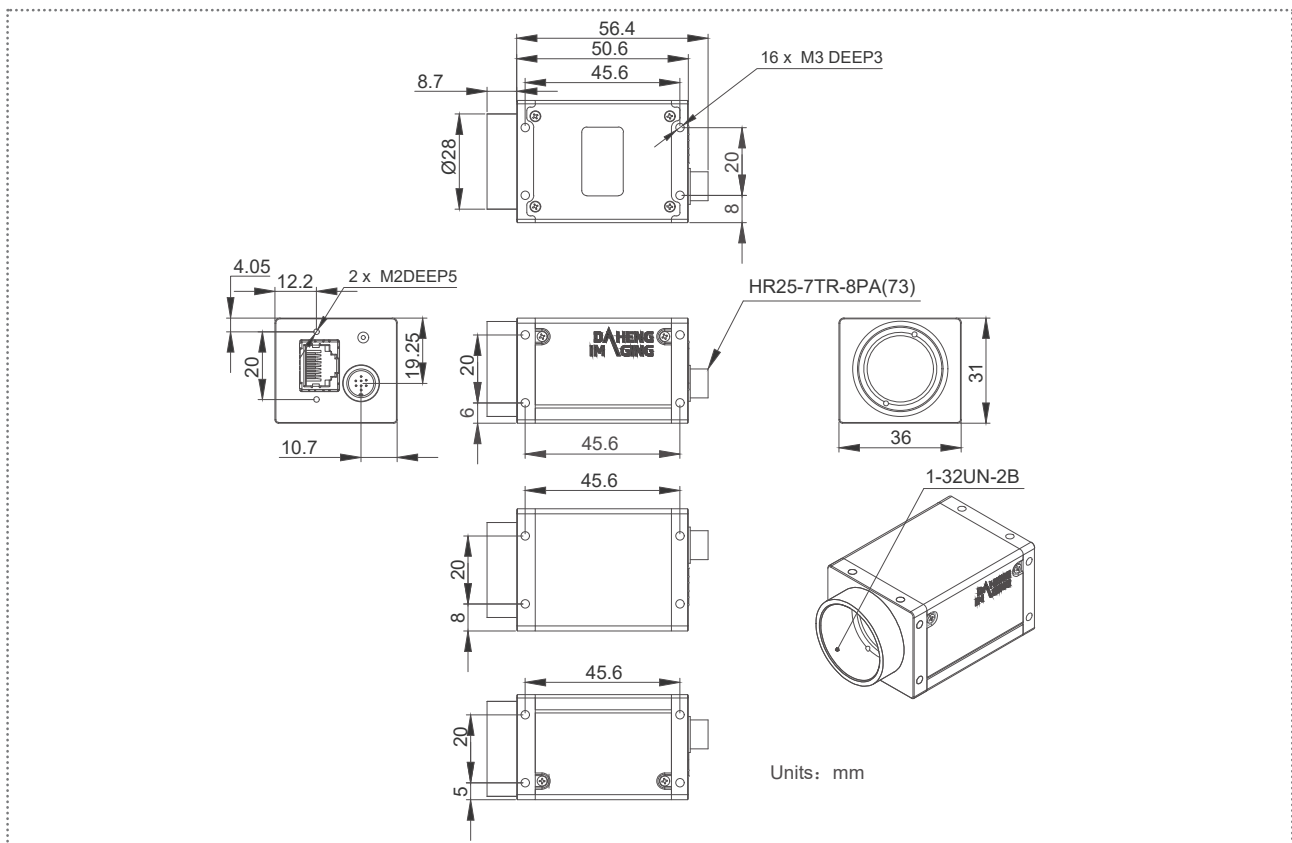
Model	ME2P-2621-4GC-P	ME2P-2621-4GM-P
Resolution	5120(H) × 5120(V)	
Sensor	Gpixel GMAX0505 Global shutter CMOS	
Sensor Format	1.1"	
Pixel Size	2.5μm × 2.5μm	
Frame Rate	4.5 fps	
ADC	12 bit	
Pixel Bit Depth	8 bit, 12 bit	
Mono/Color	Color	Mono
Pixel Formats	Bayer GB8 / Bayer GB12	Mono8 / Mono12
SNR	35.65 dB	35.93 dB
Exposure Time	Standard: 14μs~1s, Actual Steps: 1μs	
Gain	0dB~16dB, Default: 0dB, Steps: 0.1dB	
Binning	1 × 1, 1 × 2, 1 × 4, 2 × 1, 2 × 2, 2 × 4, 4 × 1, 4 × 2, 4 × 4	
Decimation	Horizontal FPGA, Vertical Sensor: 1 × 1, 1 × 2, 1 × 4, 2 × 1, 2 × 2, 2 × 4, 4 × 1, 4 × 2, 4 × 4	
Synchronization	Hardware trigger, software trigger	
Acquisition Control	Single frame, Continuous, Software trigger, Hardware trigger	
Reverse X/Y	Reverse X/Y	
I/O Interface	1 input and 1 output with opto-isolated, 2 programmable GPIOs	
Data Interface	GigE PoE	
Power Supply	PoE (Power over Ethernet, IEEE802.3af compliant) or 12VDC-10% ~ 24VDC+10% supplied via the camera's 8-pin Hirose connector	
Power Consumption	< 4.25 W @ 24 VDC; < 4.25 W @ PoE	
Operating Temp.	0° C ~ +45° C	
Storage Temp.	-20° C ~ +70° C	
Operating Humidity	10% ~ 80%	
Lens Mount	C / CS	
Dimensions	36(W) × 31(H) × 50.6(L) mm (without lens adapter or connectors)	
Weight	75 g	
Software	3rd-party software such as HALCON, VisionPro and LabVIEW	
OS	32bit / 64bit Windows, Linux, Mac OS	
Conformity	CE, RoHS, FCC, ICES, UKCA, GigE Vision®, GenICam®	

I/O Interface



Pin	Definition	Core Color	Description
1	Line 0+	Green	Opto-isolated input +
2	GND	Blue	PWR GND & GPIO GND
3	Line 0-	Grey	Opto-isolated input -
4	POWER_IN	Purple	Camera external power, +12V DC~+24V DC
5	Line 2	Orange	GPIO input/output
6	Line 3	Pink	GPIO input/output
7	Line 1-	White Green	Opto-isolated output -
8	Line 1+	White Blue	Opto-isolated output +

Technical Drawing



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