

ME2S-1260-9GM/C-P

MERCURY2 Super Series 12.6MP CMOS GigE Area Scan Camera



GEN*<i>i</i>*CAM



The ME2S-1260-9GM/C-P camera is a monochrome/color GigE Vision camera with the ON XGS12000 CMOS sensor. Thanks to the extremely compact (29mm × 29mm), robust metal housings and locking screw connectors, the MERCURY2 Super cameras can secure the reliability of cameras deployed in harsh environments. The ME2S-1260-9GM/C-P camera has opto-isolated I/Os that adapt to specific needs. Four-side mounting holes provide maximum installation flexibility for camera.

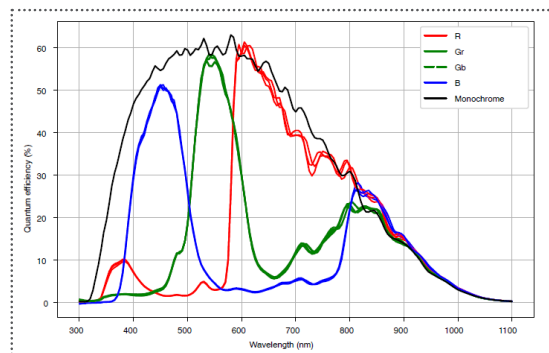
Applications

Suitable for machine vision applications such as industrial inspection, rail traffic, scientific research, 3D reconstruction and so on.

Features

- Support Decimation, Binning, Digital Shift, Black Level, Static Defect Pixel Correction
- Adjustable Gamma and Sharpness for optimizing the brightness and sharpness of images
- Support Burst Acquisition
- Support Timed exposure mode and TriggerWidth exposure mode
- Color models support Light source preset, Color Transformation Control and Saturation
- Monochrome models support Noise Reduction
- Timer, Counter, LUTs and User Set Control

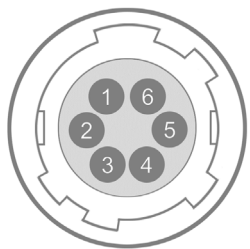
Spectral Response



Specifications

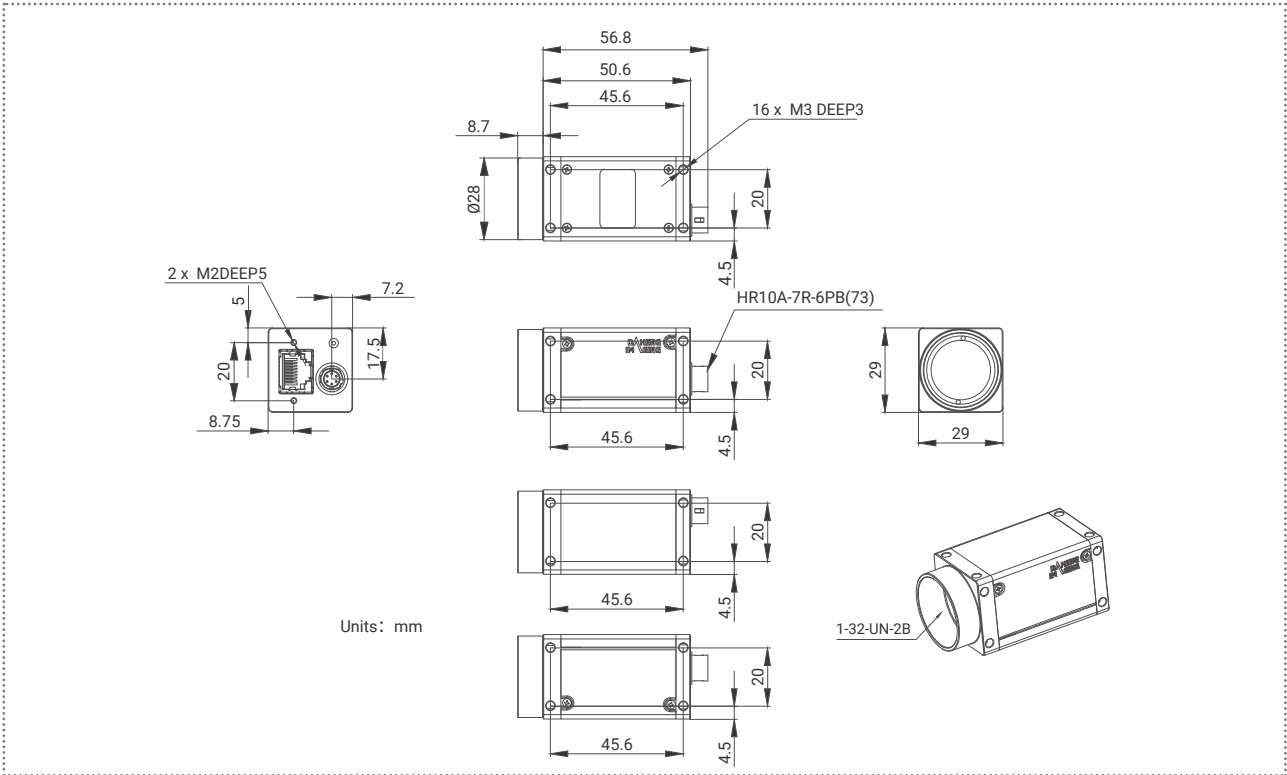
Model	ME2S-1260-9GC-P	ME2S-1260-9GM-P
Resolution	4096(H) × 3072(V)	
Sensor	ON XGS12000 Global shutter CMOS	
Sensor Format	1"	
Pixel Size	3.2μm × 3.2μm	
Frame Rate	9.35 fps (Max. frame rate: 28.26fps @ Acquisition Burst Mode)	
ADC	12 bit	
Pixel Bit Depth	8 bit, 12 bit	
Mono/Color	Color	Mono
Pixel Formats	Bayer RG8 / Bayer RG12	Mono8 / Mono12
SNR	40.09 dB	39.83 dB
Exposure Time	UltraShort: 52μs~161μs, Actual Steps: 1μs Standard: 162μs~1s, Actual Steps: 1 row period	
Gain	0dB~24dB, Default: 0dB, Steps: 0.1dB	
Binning	1 × 1, 1 × 2, 2 × 1, 2 × 2	
Decimation	FPGA: 1 × 1, 1 × 2, 2 × 1, 2 × 2	
Synchronization	Hardware trigger, software trigger	
Acquisition Mode	Single frame, Continuous, Software trigger, Hardware trigger, Acquisition burst	
Reverse X/Y	Reverse X/Y	
I/O Interface	1 input and 1 output with opto-isolated, 1 programmable GPIO	
Data Interface	GigE PoE	
Power Supply	PoE (Power over Ethernet, IEEE802.3af compliant) or 12VDC-10% ~ 24VDC+10% supplied via the camera's 6-pin Hirose connector	
Power Consumption	4.07W @ 12VDC, 4.28W @ PoE	
Operating Temp.	0° C ~ +45° C	
Storage Temp.	-20° C ~ +70° C	
Operating Humidity	10% ~ 80%	
Lens Mount	C	
Dimensions	29(W) × 29(H) × 50.6(L) mm (without lens adapter or connectors)	
Weight	67 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	Description
1	POWER_IN	Camera external power, +12V DC~+24V DC
2	Line0+	Opto-isolated input +
3	Line2	GPIO input/output
4	Line1+	Opto-isolated output +
5	Line0-/Line1-	Line0-: Opto-isolated input - Line1-: Opto-isolated output -
6	GND	PWR GND & GPIO GND

Technical Drawing



China Daheng Group, Inc. Beijing Image Vision Technology Branch

12F Daheng Science & Technology Tower, No.3 Suzhou Street, Haidian District, Beijing China, 100080

Tel: +86 10 82828878

E-mail: isales@daheng-imaging.com