

MV-CS013-60GN

1.3 MP 2/3" CMOS GigE Area Scan Camera



GEN*i*CAM

GigE
VISION

Introduction

With GigE interface, MV-CS013-60GN camera adopts CMOS global sensor to provide high-quality images and transmit images in real time, and its max. frame rate can reach 59.2 fps in full resolution.

Key Feature

- Adopts brand new design to reduce power consumption.
- Supports auto or manual adjustment of gain, exposure time, LUT, etc., and supports Sequencer function.
- Compact design with mounting holes on panels for flexible mounting from 4 sides.
- Adopts GigE interface and max. transmission distance of 100 meters without relay.
- Compatible with GigE Vision V2.0 Protocol, GenICam Standard, and third-party software based on the protocol and standard.

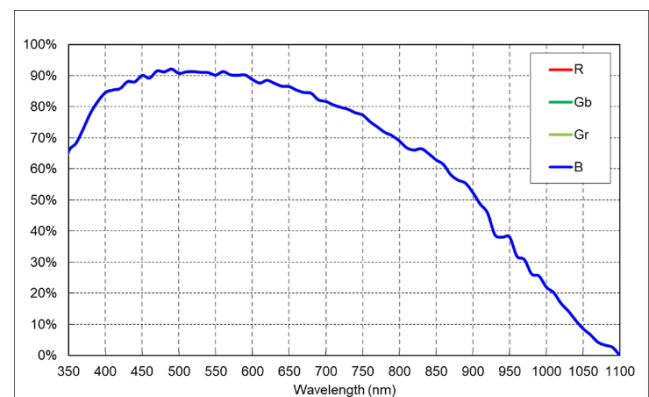
Applicable Industry

Electronic semiconductor, factory automation, food and beverage, medicine packaging, etc.

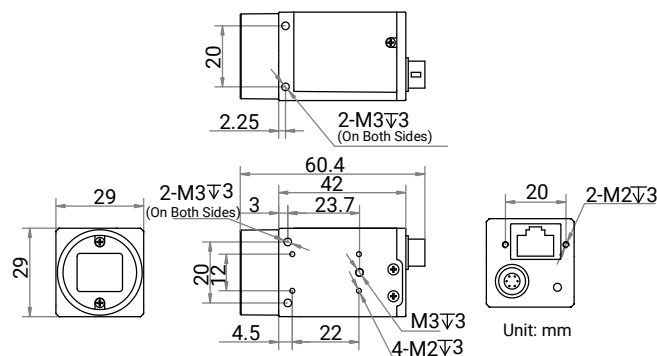
Available Model

MV-CS013-60GN

Sensor Quantum Efficiency



Dimension



Specification

Model	MV-CS013-60GN
Performance	
Sensor type	CMOS, global shutter
Sensor model	Stacked BSI
Pixel size	6.9 μm $\times$ 6.9 μm
Sensor size	2/3"
Resolution	1224 $\times$ 1024
Max. frame rate	59.2 fps @ 1224 $\times$ 1024 Mono 8
Dynamic range	73.9 dB
SNR	42.4 dB
Gain	0 dB to 20 dB
Exposure time	30 μs to 10 sec
Exposure mode	Off/Once/Continuous exposure mode
Mono/color	Near-infrared
Pixel format	Mono 8/10/10Packed/12/12Packed
Binning	Not supported
Decimation	Supports 1 $\times$ 1, 2 $\times$ 2, 4 $\times$ 4
Reverse image	Supports horizontal and vertical reverse image output
Electrical features	
Data interface	Gigabit Ethernet (1000 Mbit/s), compatible with Fast Ethernet (100 Mbit/s)
Digital I/O	6-pin P7 connector provides power and I/O, including opto-isolated input $\times$ 1 (Line 0), opto-isolated output $\times$ 1 (Line 1), bi-directional non-isolated I/O $\times$ 1 (Line 2).
Power supply	9 VDC to 24 VDC, supports PoE
Power consumption	Typ. 1.9 W @ 12 VDC
Mechanical	
Lens mount	C-mount
Dimension	29 mm $\times$ 29 mm $\times$ 42 mm (1.1" $\times$ 1.1" $\times$ 1.7")
Weight	Approx. 100 g (0.2 lb.)
Ingress protection	IP40 (under proper lens installation and wiring)
Temperature	Working temperature: -30 $^{\circ}\text{C}$ to 60 $^{\circ}\text{C}$ (-22 $^{\circ}\text{F}$ to 140 $^{\circ}\text{F}$) Storage temperature: -30 $^{\circ}\text{C}$ to 70 $^{\circ}\text{C}$ (-22 $^{\circ}\text{F}$ to 158 $^{\circ}\text{F}$)
Humidity	20% RH to 95% RH (no condensation)
General	
Client software	MVS or third-party software meeting with GigE Vision Protocol
Operating system	32/64-bit Windows 7/10, 64-bit Windows 11, and 32/64-bit Linux
Compatibility	GigE Vision V2.0, GenICam
Certification	CE, RoHS, KC