

MV-CS050-10GM

5 MP 2/3" CMOS GigE Area Scan Camera



GEN*i*CAM

GigE
VISION

Introduction

With GigE interface, MV-CS050-10GM camera adopts Sony® IMX264 sensor to provide high-quality images and transmit images in real time, and its max. frame rate can reach 24.2 fps in full resolution.

Key Feature

- Adopts brand new design to reduce power consumption.
- Supports multiple ISP functions to provide high-quality images.
- 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, GenlCam Standard, and third-party software based on the protocol and standard.

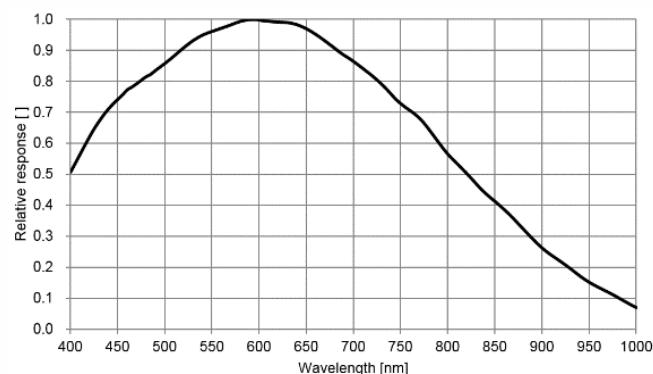
Available Model

Mono camera: MV-CS050-10GM

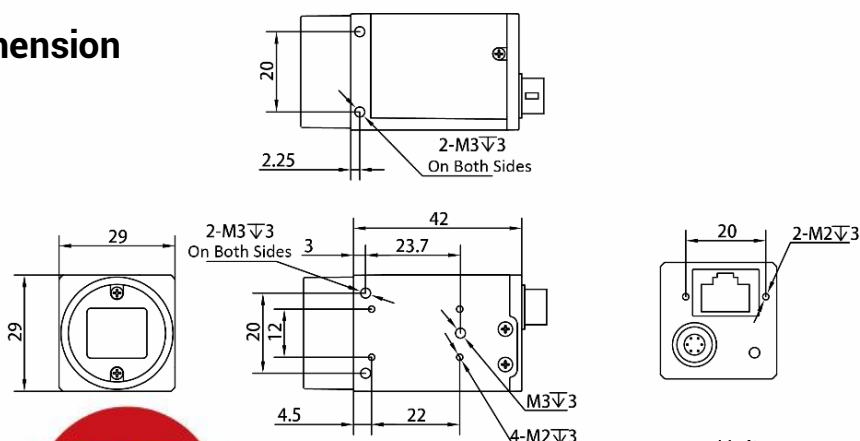
Applicable Industry

Electronic semiconductor, factory automation, liquor and beverage, medicine packing, etc.

Sensor Quantum Efficiency



Dimension



Specification

Model	MV-CS050-10GM
Performance	
Sensor type	CMOS, global shutter
Sensor model	Sony® IMX264
Pixel size	3.45 μm × 3.45 μm
Sensor size	2/3"
Resolution	2448 × 2048
Max. frame rate	24.2 fps @2448 × 2048
Dynamic range	72 dB
SNR	40 dB
Gain	0 dB to 24 dB
Exposure time	15 μs to 10 sec
Exposure mode	Off exposure mode only
Mono/color	Mono
Pixel format	Mono 8/10/10Packed/12/12Packed
Binning	Supports 1 × 1, 2 × 2, 4 × 4
Decimation	Supports 1 × 1, 2 × 2
Reverse image	Supports horizontal and vertical reverse image output
Electrical features	
Data interface	Gigabit Ethernet, compatible with Fast Ethernet
Digital I/O	6-pin Hirose connector provides power and I/O, including opto-isolated input × 1 (Line 0), opto-isolated output × 1 (Line 1), bi-directional non-isolated I/O × 1 (Line 2).
Power supply	9 VDC to 24 VDC, PoE is not supported.
Power consumption	Typ. 2.2 W@12 VDC
Mechanical	
Lens mount	C-Mount
Dimension	29 mm × 29 mm × 42 mm (1.1" × 1.1" × 1.2")
Weight	Approx. 100 g (0.22 lb.)
Ingress protection	IP40 (under proper lens installation and wiring)
Temperature	Working temperature: -30 °C to 60 °C (-22 °F to 140 °F) Storage temperature: -30 °C to 70 °C (-22 °F to 158 °F)
Humidity	20% to 95% RH, non-condensing
General	
Client software	MVS or third-party software meeting with GigE Vision Protocol
Operating system	32/64-bit Windows XP/7/10, 32/64-bit Linux and 64-bit MacOS
Compatibility	GigE Vision V2.0, GenICam
Certification	CE, RoHS, KC



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