

MV-CS004-11GM/GC

0.4MP1/2.9"CMOSGigEAreaScanCamera



GEN*i*CAM

GiG
VISION

Introduction

MV-CS004-11GM/GC camera adopts Sony® IMX287 sensor to provide high-quality images. It uses GigE interface to transmit non-compressed images in real time, and its max. frame rate can reach 312.9 fps in full resolution.

Key Feature

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- Adopts brand new design to reduce power consumption. Compact design with mounting holes on panels for flexible mounting from 4 sides.
- Supports sequencer, contrast ratio, Gamma correction, white balance, etc.
- Supports hard trigger, software trigger, free run, etc.
- Compatible with GigE Vision V2.0 Protocol, GenICam Standard, and third-party software based on the protocol and standard.

Available Model

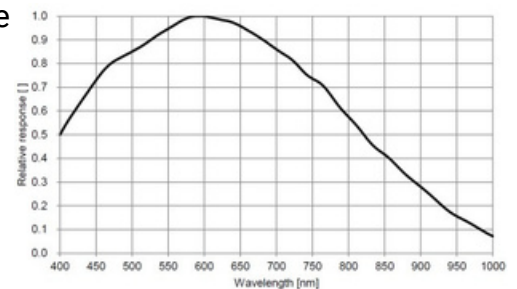
□ Mono: MV-CS004-11GM

□ Color: MV-CS004-11GC

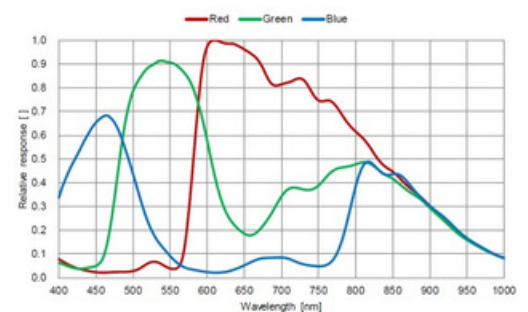
Applicable Industry

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

Sensor Quantum Efficiency

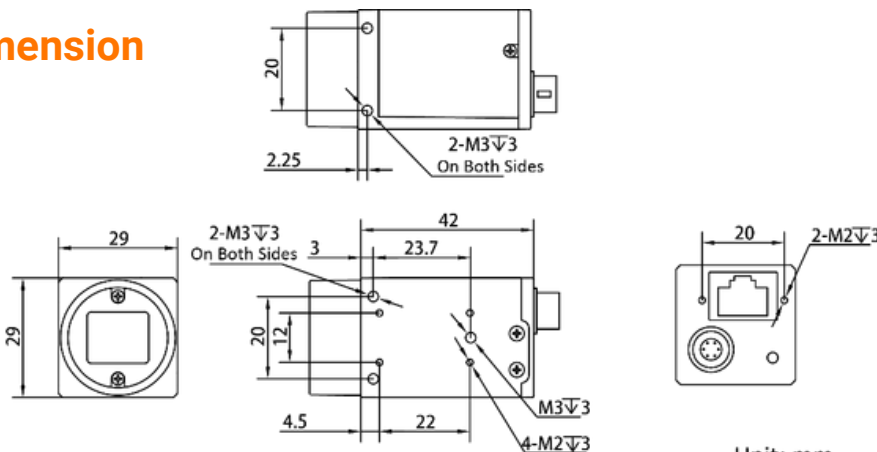


MV-CS004-11GM



MV-CS004-11GC

Dimension



Specification

HIKROBOT

Model	Camera	MV-CS004-11GM	MV-CS004-11GC
Sensor	type		
Sensor	model	CMOS, global shutter	
Pixel	size	Sony® IMX287	
Sensor	size	6.9 μm × 6.9 μm	
Resolution	Max.	1/2.9"	
frame	rate	720 × 540	
Dynamic	range	312.9 fps @ 720 × 540 Mono 8	312.9 fps @ 720 × 540 Bayer RG 8
SNR	Gain	73.6 dB	
Exposure	time	43 dB	
Exposure	mode	0 dB to 24 dB	
Mono/color		1 μs to 10 sec	
Pixel format		Off/Once/Continuous exposure mode	
		Mono	Color
		Mono 8/10/10Packed/12/12Packed	Mono 8/10/12, Bayer RG 8/10/10Packed/12/12Packed, YUV422Packed, YUV422_YUYV_Packed RGB 8, BGR 8
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 P7 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, supports PoE	
Power consumption		Typ. 2.2 W @ 12 VDC	Typ. 2.4 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% RH to 80% RH (no condensation)	
General			
Client software		MVS or third-party software meeting with GigE Vision Protocol	
Operating system		32/64-bit Windows 7/10, 32/64-bit Linux	
Compatibility		GigE Vision V2.0, GenICam	
Certification		CE, RoHS, KC	