MV-CA060-10GM/GC

6 MP 1/1.8" CMOS GigE Area Scan Camera

GEN<i>CAM

GigE VISION

Introduction

MV-CA060-10GM/GC camera adopts Sony IMX178 sensor to provide high-quality image. It uses GigE interface to transmit non-compressed images in real time with max. frame rate reaching 17 fps

Key Feature

- Adopts GigE interface and max. transmission distance of 100 meters without relay
- Up to 128 MB local memory for burst transmission and retransmission
- Supports auto exposure control, LUT, Gamma correction, etc.
- Supports hardware trigger, software trigger, etc.
- Compatible with GigE Vision V1.2 Protocol and the third-party software based on the protocol
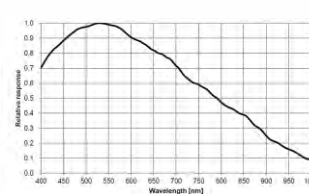
Available Model

Mono camera: MV-CA060-10GM
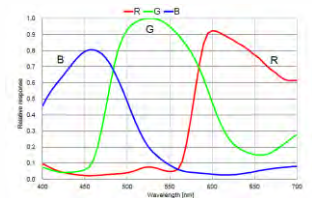Color camera: MV-CA060-10GC

Applicable Industry

Electronic semiconductor, factory automation, logistic code reading, medical packaging, etc.
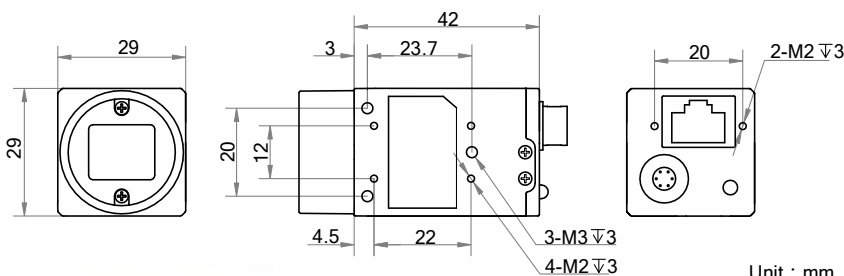
Sensor Quantum Efficiency

MV-CA060-10GM   MV-CA060-10GC

Dimension

Unit : mm

Specification

Model	MV-CA060-10GM	MV-CA060-10GC
Camera		
Sensor type	CMOS, rolling shutter	
Sensor model	Sony IMX178	
Pixel size	2.4 µm x 2.4 µm	
Sensor size	1/1.8"	
Resolution	3072 x 2048	
Max. frame rate	17 fps @3072 x 2048	
Dynamic range	71.3 dB	
SNR	41.3 dB	
Gain	0 dB to 20 dB	
Exposure time	27 µs to 2.5 s	
Shutter mode	Off/Once/Continuous exposure mode, supports Global Reset	
Mono/color	Mono	Color
Pixel format	Mono 8/10/10p/12/12p	Mono8/10/12, Bayer RG 8/10/10p/12/12p, YUV 422 8 UYVY, YUV 422 8, RGB8
Acquisition mode	Continuous mode and SingleFrame mode	
Reverse image	Supports horizontal reverse image output	
Image buffer	128 MB	
Electrical features		
Data interface	Gigabit Ethernet	
Digital I/O	6-pin Hirose connector provides power and I/O, including opto-isolated input x 1 (Line0), opto-isolated output x 1(Line1), bi-directional non-isolated I/O x 1 (Line2)	
Power supply	5 VDC to 15 VDC, supports PoE power supply	
Power consumption	Approx. 3.5 W@12 VDC	
Structure		
Lens mount	C-Mount	
Dimension	29 mm × 29 mm × 42 mm (1.1" × 1.1" × 1.7")	
Weight	Approx. 68 g (0.15 lb.)	
Ingress protection	IP30 (under proper lens installation and wiring)	
Temperature	Working temperature: 0 °C to 50 °C (32 °F to 122 °F) Storage temperature: -30 °C to 70 °C (-22 °F to 158 °F)	
Humidity	20% to 80% RH, without condensation	
General		
Client software	MVS or third-party software meeting with GigE Vision Protocol	
Operation system	32/64-bit Windows XP/7/10, 32/64-bit Linux and 64-bit MacOS	
Compatibility	GigE Vision V2.0, GenlCam	
Certifications	CE, FCC, RoHS, KC	