MV-CA060-11GM

6 MP 1/1.8" CMOS GigE Area Scan Camera

GEN<i>CAM

GigE VISION®

Introduction

MV-CA060-11GM 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 Protocol V2.0, GenlCam Standard, and third-party software based on these protocol and standard.
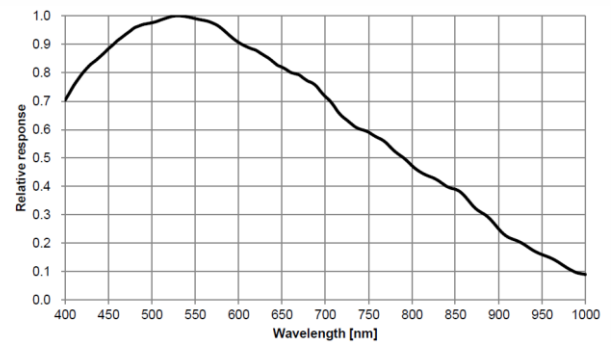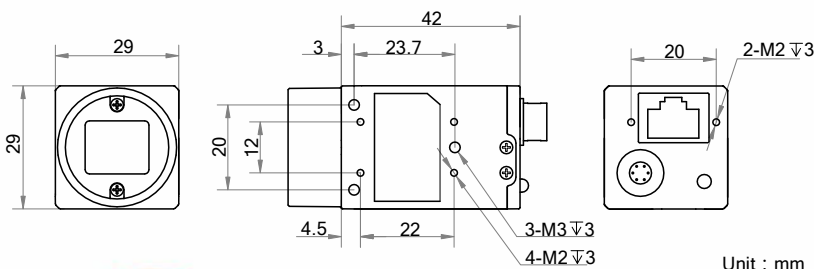
Available Model

Mono camera: MV-CA060-11GM

Applicable Industry

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

Sensor Quantum Efficiency

Dimension

Unit : mm

Specification

Model	MV-CA060-11GM
Camera	
Sensor type	CMOS, rolling shutter
Sensor model	Sony® IMX178
Pixel size	2.4 μm × 2.4 μm
Sensor size	1/1.8"
Resolution	3072 × 2048
Max. frame rate	17 fps @3072 × 2048
Dynamic range	71.3 dB
SNR	41.3 dB
Gain	0 dB to 20 dB
Exposure time	27 μs to 2.5 s
Exposure mode	Off/Once/Continuous exposure mode, supports Global Reset
Mono/color	Mono
Pixel format	Mono 8/10/10p/12/12p
Binning	Supports 1 × 1, 2 × 2
Decimation	Not support
Reverse image	Supports horizontal and vertical 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 × 1 (Line 0), opto-isolated output × 1 (Line 1), bi-directional non-isolated I/O × 1 (Line 2).
Power supply	12 VDC, supports PoE
Power consumption	Typ. 2.5 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, 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, GenlCam
Certifications	CE, FCC, RoHS, KC

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