SCORPION VISION

HIKROBOT

MV-CS032-60GM/GC

3.2 MP 1/1.8" CMOS GigE Area Scan Camera

GEN<i>CAM

GiGE VISION

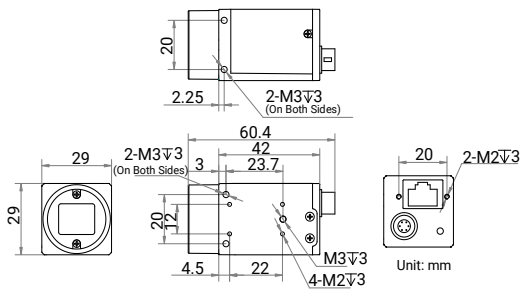
Introduction

With GigE interface, MV-CS032-60GM/GC camera adopts CMOS global sensor to provide high-quality images and transmit images in real time, and its max. frame rate can reach 30 fps in full resolution.

Key Feature

- Adopts brand new design to reduce power consumption.
- Supports auto or manual adjustment of gain, exposure time, white balance, LUT, etc., and supports Sequencer function.
- Supports ISP functions like CCM, Super Palette, and Super Bayer 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, GenICam Standard, and third-party software based on the protocol and standard.

Dimension



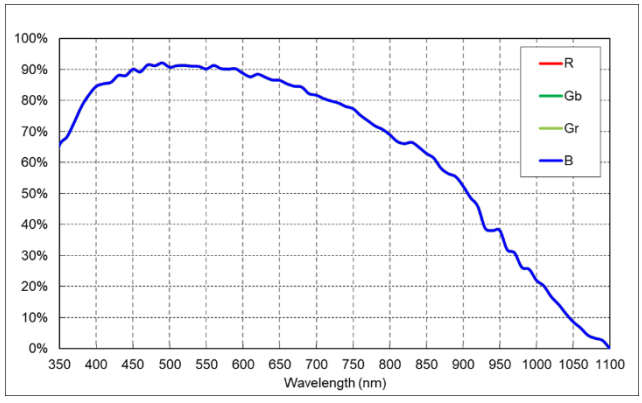
Available Model

- Mono camera: MV-CS032-60GM
- Color camera: MV-CS032-60GC

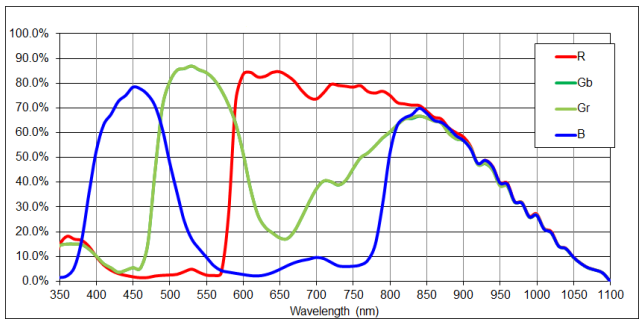
Applicable Industry

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

Sensor Quantum Efficiency



MV-CS032-60GM



MV-CS032-60GC

Specification

Model	MV-CS032-60GM	MV-CS032-60GC
Performance		
Sensor type	CMOS, global shutter	
Sensor model	Stacked BSI	
Pixel size	3.45 μm × 3.45 μm	
Sensor size	1/1.8"	
Resolution	2048 × 1536	
Max. frame rate	30 fps @2048 × 1536 Mono 8	30 fps @2048 × 1536 Bayer GR 8
Dynamic range	73.9 dB	
SNR	42.4 dB	
Gain	0 dB to 24 dB	
Exposure time	5 μs to 10 sec	
Exposure mode	Off/Once/Continuous exposure mode, and supports trigger-width exposure	
Mono/color	Mono	Color
Pixel format	Mono 8/10/10Packed/12/12Packed	Mono 8/10/12, Bayer GR 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, 4 × 4	
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. 1.7 W@12 VDC	Typ. 1.8 W@12 VDC
Mechanical		
Lens mount	C-mount	
Dimension	29 mm × 29 mm × 42 mm (1.1" × 1.1" × 1.7")	
Weight	Approx. 100 g (0.2 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, 64-bit Windows 11, 32/64-bit Linux and 64-bit MacOS	
Compatibility	GigE Vision V2.0, GenICam	
Certification	CE, RoHS, KC	