

MV-CA032-10GM/GC

3.2 MP, 1/1.8" CMOS, GigE Area Scan Camera

Introduction

MV-CA032-10GM/GC adopts IMX265 CMOS sensor and provides high quality image. The GigE interface provides high-speed real-time transmission of uncompressed data with the maximum frame rate reaching 37.5 fps at full resolution.



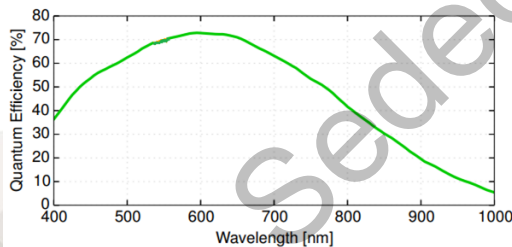
GEN<i>i>CAM

GigE
VISION

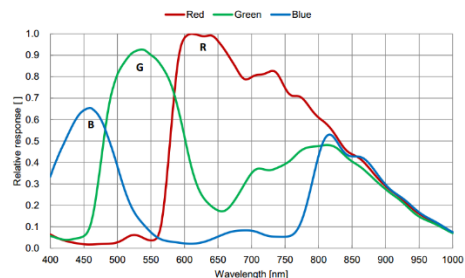
Key Feature

- Adopts GigE interface and max. transmission distance of 100 meters without relay
- Supports auto and manual adjustment for exposure control, LUT, Gamma correction, and etc.
- Supports hardware triggering, software triggering
- Up to 128 MB local memory for burst transmission and retransmission
- Compatible with GigE Vision Protocol V1.2 and third-party software meeting with GigE Vision Protocol

Sensor Quantum Efficiency



MV-CA032-10GM



MV-CA032-10GC

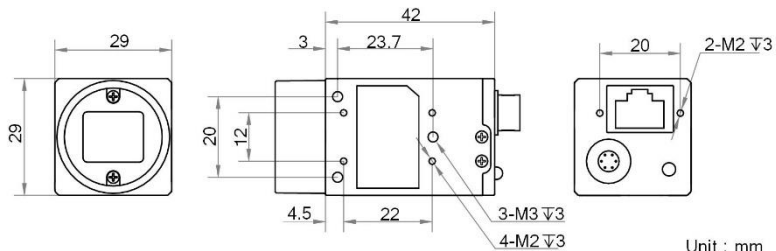
Available Model

- Mono camera: MV-CA032-10GM
- Color camera: MV-CA032-10GC

Applicable Industry

Electronic semiconductor, factory automation, and quality inspection.

Dimension



Unit : mm



Specification

Model	MV-CA032-10GM	MV-CA032-10GC
Parameters	3.2 MP 1/1.8" CMOS GigE Area Scan Camera	
Camera		
Sensor type	CMOS, global shutter	
Sensor model	IMX265	
Pixel size	3.45 μm x 3.45 μm	
Sensor size	1/1.8"	
Resolution	2048 × 1536	
Frame rate	37.5 fps	
Dynamic range	73 dB	
SNR	40 dB	
Gain	0 dB to 20 dB	
Exposure time	50 μs to 10 s	
Shutter mode	Off/Once/Continuous exposure mode	
Reverse image	Supports horizontal and vertical reverse image output	
Image buffer	128 MB	
Data format	Mono 8/10/10p/12/12p	Mono 8/10/12, RGB8, Bayer RG 8/10/10p/12/12p, YUV 422 Packed, YUV422_YUYV_Packed
Electrical features		
Data interface	Gigabit Ethernet	
Digital I/O	Opto-isolated input x 1, Opto-isolated output x 1, Bi-directional non-isolated I/O x 1	
Power supply	5 VDC to 15 VDC, supports PoE power supply	
Power consumption	< 3.48 W@12 VDC	
Structure		
Lens mount	C-Mount	
Dimension	29 mm × 29 mm × 42 mm (1.1" × 1.1" × 1.7")	
Weight	< 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	
Certifications	CE, FCC, RoHS, KC	

Germany, Austria, Switzerland Sedeco Imaging GmbH Unterer Dammweg 12 76149 Karlsruhe Germany T. +49 721 5604 7980 info@sedeco-imaging.com	BeNeLux Sedeco Imaging B.V. Trasmolenlaan 12 3447 GZ Woerden the Netherlands T. +31 348 749110 info@sedeco-imaging.nl
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www.sedeco-imaging.com