

MV-CE100-30GM/GC

10 MP, 1/2.3" CMOS, GigE Area Scan Camera

Introduction

MV-CE100-30GM/GC 10 MP 1/2.3" CMOS GigE Camera is a high quality device that can be used in a variety of applications, including electronic semiconductor fabrication, factory automation, quality inspection.



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, and etc.
- Supports hardware trigger, software trigger, and etc.
- Supports auto white balance and better color correction with excellent image interpolation algorithm
- Compatible with GigE Vision V1.2 Protocol and the third-party software based on the protocol

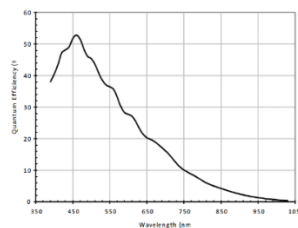
GEN*i*CAM

GIGE
VISION

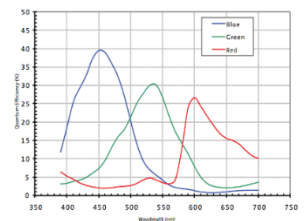
Accessories

- Power: 12 VDC @1A power adapter
- NIC: Intel Pro1000 and above version recommended
- Network Cable: CAT5e or CAT6 network cable recommended

Sensor Quantum Efficiency



MV-CE100-30GM



MV-CE100-30GC

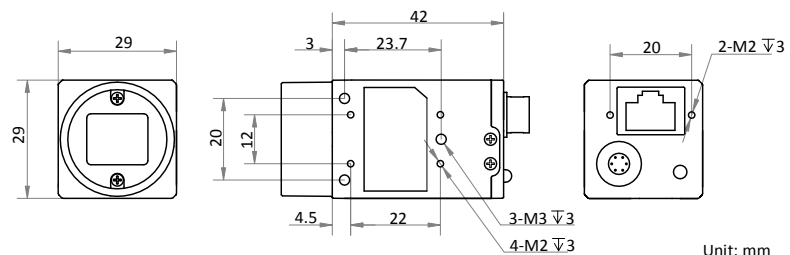
Applicable Industry

Electronic semiconductor, factory automation, quality inspection and etc.

Available Model

- Mono Camera: MV-CE100-30GM
- Color Camera: MV-CE100-30GC

Dimension



Unit: mm



Specification

Model	MV-CE100-30GM	MV-CE100-30GC
Parameters	10 MP, 1/2.3" CMOS, GigE Area Scan Camera	
Camera		
Sensor type	CMOS, rolling shutter	
Sensor model	MT9J003	
Pixel size	1.67 μm × 1.67 μm	
Sensor size	1/2.3"	
Resolution	3840 × 2748	
Frame rate	7 fps	
Dynamic range	65 dB	
SNR	34 dB	
Gain	0 dB to 15.3 dB	
Exposure time	50 μs to 2 s	
Shutter mode	Off/Once/Continuous exposure mode	
Pixel format	Mono 8/10/10p/12/12p	Mono 8/10/12, RGB8, Bayer GR 8/10/10p/12/12p, YUV 422 8 UYVY, YUV 422 8
Reverse image	Supports horizontal reverse image output	
Image buffer	128 MB	
Electrical features		
Data interface	Gigabit Ethernet	
Digital I/O	Opto-isolated input x 1, opto-isolated output x 1, and bi-directional non-isolated I/O x 1	
Power supply	5 VDC to 15 VDC, supports PoE power supply	
Power consumption	Approx. 2.6 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	
Operating system	32/64-bit Windows XP/7/10, 32/64-bit Linux and 64-bit MacOS	
Compatibility	GigE Vision	
Certification	CE, FCC, RoHS, KC	



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