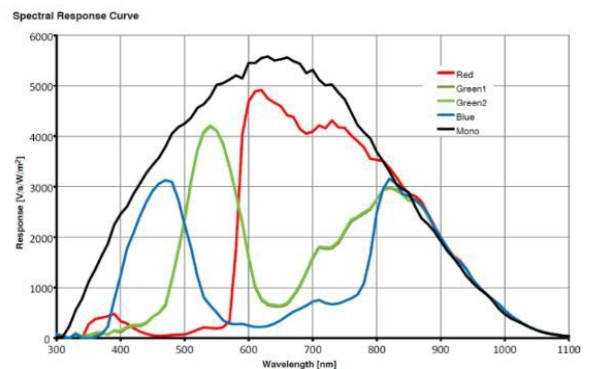# MV-CA013-20GM/GC
1.3 MP, 1/2" CMOS GigE Camera

- Gigabit Ethernet (1 Gbps)

- 100 m Transmit Range w/o Relaying

- 128 MB On-Board Buffer for Image Bursts

- Auto Exposure Control, LUT, Gamma Correction

- Synchronize Cameras with Hard/Soft Trigger

- Multiple Exposure Modes

- GigE Vision v1.2 Compliant

GiGE VISION®

The Hikvision MV-CA013-20GM/GC 1.3 MP 1/2" CMOS GigE Camera is a high quality device that can be used in a variety of applications, including electronic semiconductor fabrication, factory automation, food and beverage inspection, and medicine package inspection.

Available Models: Mono: MV-CA013-20GM
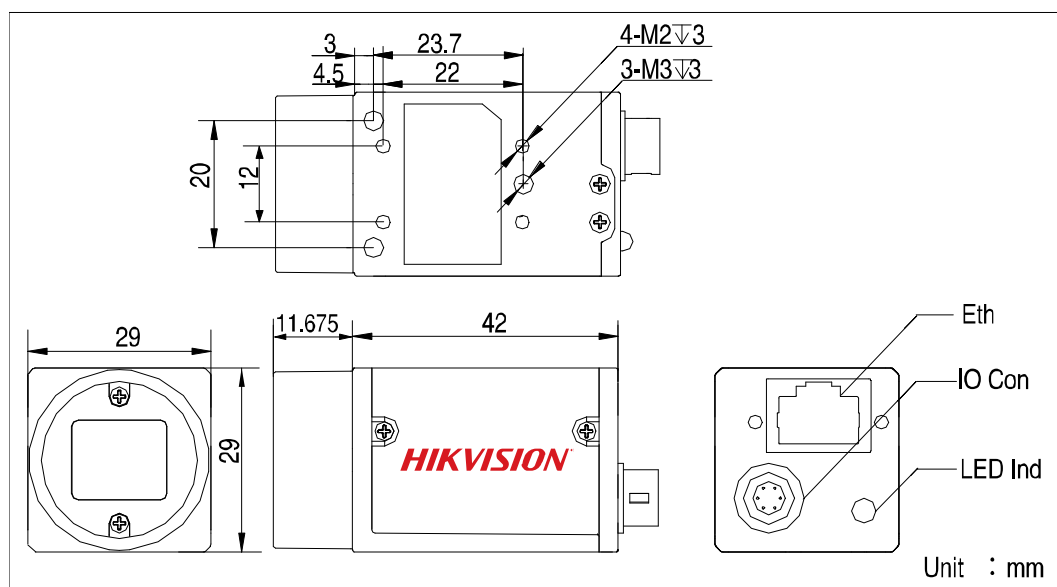Color: MV-CA013-20GC

MV-CA013-20GM/GC Quantum Efficiency

MV-CA013-20GM/GC Quantum Efficiency

CE   FC   GiGE VISION®

	MV-CA013-20GM	MV-CA013-20GC
Camera		
Type	1.3 MP; 1/2" CMOS GigE camera	
Sensor	OnSemi Python1300, 1/2" CMOS	
Shutter	Global shutter	
Resolution	1280 × 1024	
Pixel Size	4.8 µm × 4.8 µm	
Frame Rate	90 fps @1280 × 1024, Mono 8	45 fps @ 1280 × 1024, YUV 90 fps @ 1280 × 1024, Bayer 8
Dynamic Range	>60 dB	
SNR	>40 dB	
Gain Range	0 to 15 dB	
Exposure Time	10 µs to 10 sec	
Shutter Mode	Auto-exposure, manual exposure, one-key exposure	
Network	Gigabit Ethernet	
General Purpose I/O	Opto-isolated input x 1, opto-isolated output x 1 Bi-directional non-isolated I/O x 1	
Image Buffer	128 MB	
Data Format	Mono: 8/10/10p/12/12p	Mono: 8/10/12, Bayer RG: 8/10/10p/12/12p, YUV422: 8, YUV422 (UYVY): 8, RGB: 8
General		
Power	Approximately 2.6 W @ 12 VDC, voltage: 5 to 15 VDC, PoE	
Temperature	Working temperature: 32° to 122° F (0° to 50° C) Storage temperature: -22° to 158° F (-30° to 70° C)	
Dimensions	1.14" x 1.14" x 1.65" (29 mm × 29 mm × 42 mm)	
Weight	Approximately 2.4 oz (68 g)	
Lens Interface	C-mount	
Software	MVS or third-party software supporting GigE Vision protocol	
Operating System	Windows XP/7/8 32-/64-bit	
Compliance	GigE Vision v1.2	
Certification	CE, FCC, RoHS	

Dimensions

Unit ：mm

Recommended Accessories

• **Power Adapter:** 12 VDC @1 A

• **NIC:** Intel Pro1000 and above version

• **Network Cable:** CAT5e or CAT6 network cable

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