HIKVISION®

MV-CA050-20GM/GC
5 MP, 1" CMOS GigE Camera

- **Gigabit Ethernet (1 Gbps)**

- **300 ft (100 m) Transmit Distance 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**
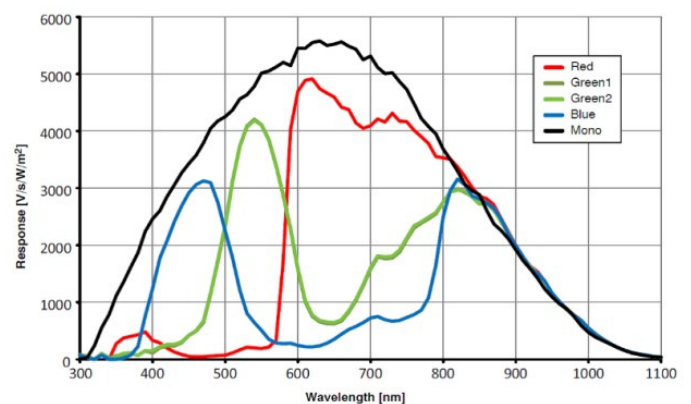
- **GigE Vision v1.2 Compliant**

The Hikvision MV-CA050-20GM/GC 5 MP 1" CMOS GigE Camera is a high quality device that can be used in a variety of applications, including electronic semiconductor fabrication, factory automation, and quality inspection.

Available Models: Mono: MV-CA050-20GM
                    Color: MV-CA050-20GC
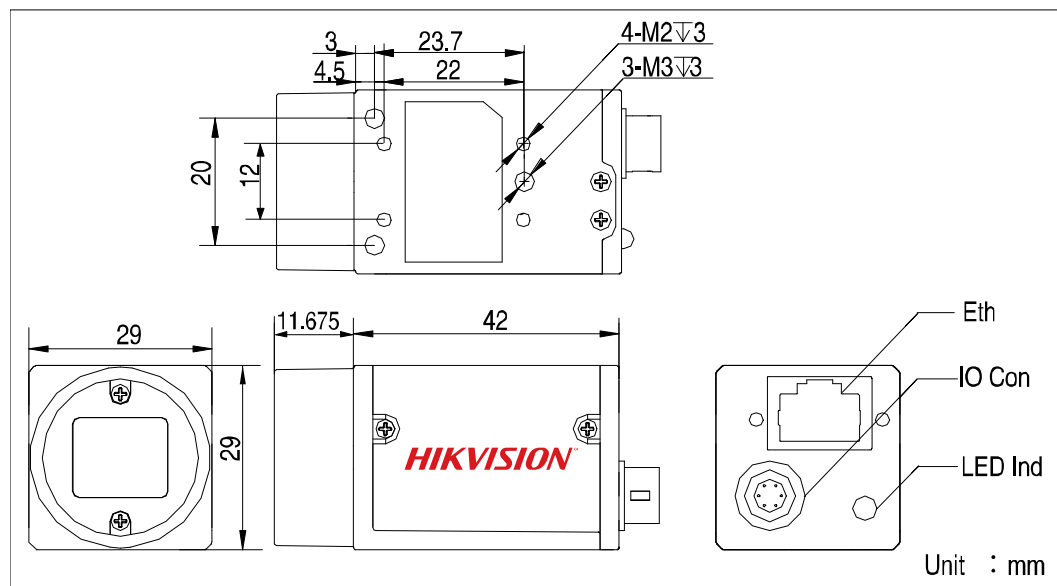

GigE VISION®

MV-CA050-20GM/GC Quantum Efficiency

Spectral Response Curve

CE   FC   GigE VISION ▼

Specifications

	MV-CA050-20GM	MV-CA050-20GC
Camera		
Type	5 MP, 1" CMOS GigE camera	
Sensor	OnSemi Python5000, 1" CMOS	
Shutter	Global shutter	
Resolution	2592 × 2048	
Pixel Size	4.8 μm × 4.8 μm	
Frame Rate	22 fps @ 2592 × 2048, Mono 8	11 fps @ 2592 × 2048, YUV 22 fps @ 2592 × 2048, Bayer 8
Dynamic Range	>60 dB	
SNR	>40 dB	
Gain Range	0 to 15 dB	0 to 10 dB
Exposure Time	10 μs to 10 sec	
Shutter Mode	Global shutter: auto-exposure, manual exposure, and 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, RGB 8, YUV422, YUV422 (UYVY), Bayer BG 8/10/10p/12/12p
General		
Power	<3.3 W @ 12 VDC, voltage 5 to 15 VDC, PoE supported	
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

Recommended Accessories

• **Power Adapter:** 12 VDC @1 A

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

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