

MV-CE120-10GM/GC 12MP, 1/1.7" CMOS, GigE Camera

GigE
VISION



The Hikvision MV-CE120-10GM/GC 12 MP 1/1.7" 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.

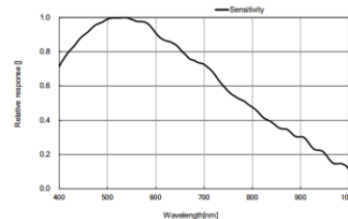
Key Features

- Gigabit Ethernet interface providing 1Gbps bandwidth; Transmitting distance can be 100m without relaying.
- 128MB on-board buffer, for image burst transmitting and retransmitting.
- Support auto exposure control, LUT and Gamma correction.
- Cameras can be synchronized with hard trigger and soft trigger.
- Different exposure modes can be used to capture image.
- Embed special color interpolation algorithm which reproduces color performance better and supports auto white balance function.
- Compliant with GigE Vision V1.2, can be supported by third party software.

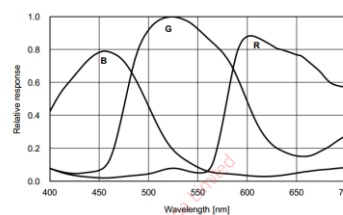
Application Scenarios

- Electronic semiconductor
- Factory automation
- Quality Inspection

Spectral Response



MV-CE120-10GM Quantum Efficiency



MV-CE120-10GC Quantum Efficiency

Order Model

Mono: MV-CE120-10GM

Color: MV-CE120-10GC



Specifications

Parameters	Model	MV-CE120-10GM	MV-CE120-10GC
	12MP, 1/1.7" CMOS, GigE Camera		
Camera			
Sensor	IMX226		
Pixel Size	1.85μm×1.85μm		
Sensor Size	1/1.7"		
Resolution	4024×3036		
Frame Rate	9.6fps		
Dynamic Range	65dB		
SNR	40dB		
Gain Range	0-20dB		
Exposure Time	34μs-2sec		
Shutter Mode	Rolling Shutter. Auto-Exposure, Manual Exposure, One-key Exposure		
Data Interface	Gigabit Ethernet		
General Purpose I/O	Opto-isolated input x1, Opto-isolated output x1, Bi-directional non-isolated I/O x1		
Image Buffer	128MB		
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
General			
Power	Approx. 3.24W@12VDC, Voltage 5~15VDC, PoE supported		
Temperature	Working Temperature 0~50°C, Storage Temperature -30~70°C		
Dimension	29mm×29mm×42mm		
Weight	Approx. 68g		
Lens Interface	C-Mount		
Software	MVS or Third-Party Software supporting GigE Vision Protocol		
Operating System	Windows XP/7/10 32/64bits		
Compliance	GigE Vision		
Certification	CE, FCC, RoHS		

Recommended Accessories

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

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Dimensions

