

MV-CH120-10GM/GC 12MP, 1.1" CMOS, GigE Camera

GigE
VISION



The Hikvision MV-CH120-10GM/GC 12 MP 1.1" CMOS GigE Camera is a high quality device that can be used in a variety of applications, including electronic semiconductor related applications, factory automation, medicine packaging and etc.

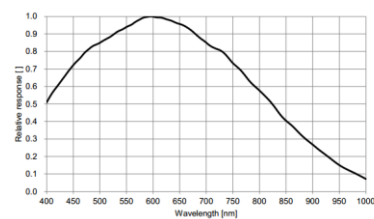
Key Features

- 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.
- Compliant with GigE Vision V1.2, can be supported by third party software.

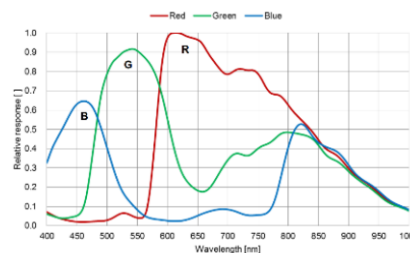
Application Scenarios

- Electronic semiconductor related applications
- Factory automation
- Medicine packaging

Spectral Response



MV-CH120-10GM Quantum Efficiency



MV-CH120-10GC Quantum Efficiency

Order Model

Mono: MV-CH120-10GM

Color: MV-CH120-10GC



Specifications

Model	MV-CH120-10GM	MV-CH120-10GC
Parameters	12MP, 1.1" CMOS, GigE Camera	
Camera		
Sensor	IMX304	
Pixel Size	3.45μm×3.45μm	
Sensor Size	1.1"	
Resolution	4096×3000	
Frame Rate	9.4fps	
Dynamic Range	>65dB	
SNR	>40dB	
Gain Range	0-20dB	
Exposure Time	50μs-10sec	
Shutter Mode	Global 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. 4.22W@12VDC, Voltage 5~15VDC, PoE supported	
Temperature	Working Temperature 0~50°C, Storage Temperature -30~70°C	
Dimension	44mm×29mm×60mm	
Weight	Approx. 100g	
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

Dimensions

