

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



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, quality inspection.

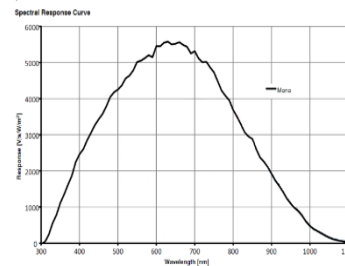
Key Features

- 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.

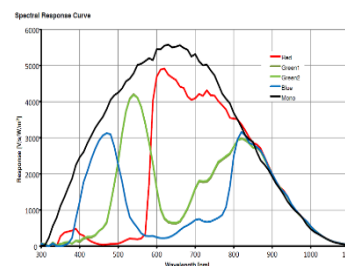
Application Scenarios

- Electronic semiconductor
- Factory automation
- Quality Inspection

Spectral Response



MV-CA013-20GM Quantum Efficiency



MV-CA013-20GC Quantum Efficiency

Order Models

Mono: MV-CA013-20GM

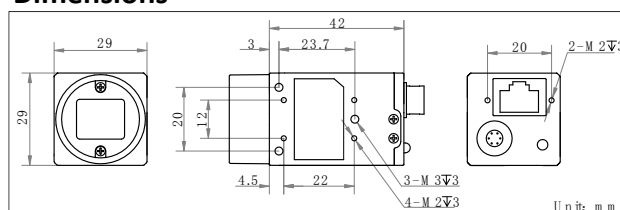
Color: MV-CA013-20GC



Specifications

Model	MV-CA013-20GM	MV-CA013-20GC
Parameters	1.3MP, 1/2" CMOS, GigE Camera	
Camera		
Sensor	PYTHON 1300	
Pixel Size	4.8μm×4.8μm	
Sensor Size	1/2"	
Resolution	1280×1024	
Frame Rate	90fps	
Dynamic Range	>60dB	
SNR	>40dB	
Gain Range	0-15dB	
Exposure Time	38μs-10sec	62μs-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	Mono8/10/12, Bayer RG 8/10/10p/12/12p, YUV422Packed, YUV422_YUYV_Packed, RGB8
General		
Power	Approx. 2.6W@12VDC, Voltage 5~15VDC, PoE supported	
Temperature	Working Temperature 0~50°C, Storage Temperature -30~70°C	
Humidity	20%-80% RH without condensation	
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	

Dimensions



Recommended Accessories

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

Germany, Austria, Switzerland
Sedeco Imaging GmbH
 Unterer Dammweg 12
 76149 Karlsruhe
 Germany
 T. +49 721 5604 7980
 info@sedeco-imaging.com

BeNeLux
Sedeco Imaging B.V.
 Trasmolenlaan 12
 3447 GZ Woerden
 the Netherlands
 T. +31 348 749110
 info@sedeco-imaging.nl

www.sedeco-imaging.com