

# MV-CA050-20GN 5MP, 1" CMOS, Near-Infrared GigE Camera





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

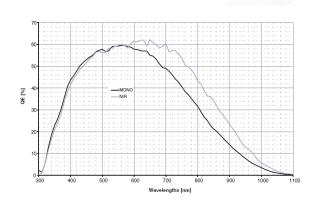
#### **Key Features**

- 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-CA050-20GN Quantum Efficiency

#### **Order Model**

Near-Infrared: MV-CA050-20GN





## **Specifications**

Model	MV-CA050-20GN
Parameters	5MP, 1" CMOS, Near-Infrared GigE Camera
Camera	
Sensor	PYTHON 5000
Pixel Size	4.8μmx4.8μm
Sensor Size	1"
Resolution	2592×2048
Frame Rate	22fps
Dynamic Range	>60dB
SNR	>40dB
Gain Range	0-15dB
Exposure Time	10μs-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
General	
Power	Approx. 3.3W@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

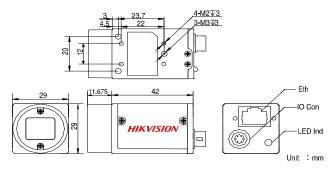
NIC: Intel Pro1000 and above version

recommended

• Network Cable: CAT5e or CAT6 network cable

recommended

#### **Dimensions**



### **HIKVISION**°

Hangzhou Hikvision Digital Technology Co., Ltd. No.700 Dongliu Road, Binjiang District, Hangzhou, 310052, China.

Tel: +86-400-700-5998

Email: hikrobotics@hikvision.com