

MV-CA013-70GM

1.3 MP, 1" CMOS, GigE Area Scan Camera

Introduction

MV-CA013-70GM adopts E2V CMOS sensor and provides high quality image. The GigE interface provides high-speed real-time transmission of uncompressed data with the maximum frame rate reaching 49 fps at full resolution.



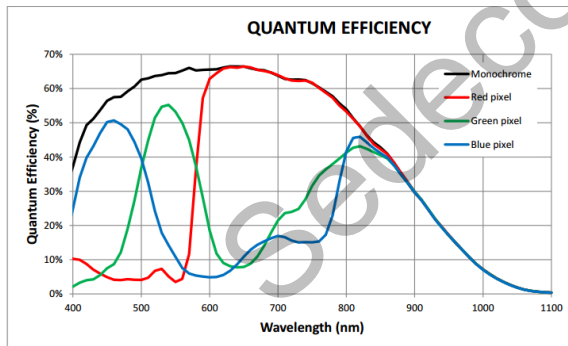
GEN*i*CAM

GigE
VISION

Key Feature

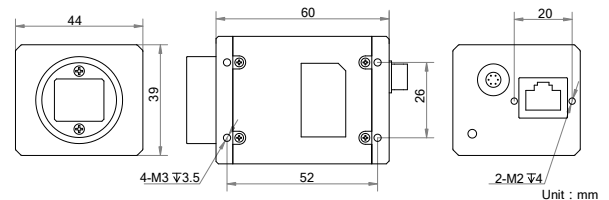
- Adopts GigE interface and max. transmission distance of 100 meters without relay
- Supports auto and manual adjustment for exposure control, LUT, Gamma correction, and etc.
- Supports hardware triggering and software triggering
- Up to 128 MB local memory for burst transmission and retransmission
- Compatible with GigE Vision Protocol V1.2 and third-party software meeting with GigE Vision Protocol

Sensor Quantum Efficiency



MV-CA013-70GM

Dimension



Applicable Industry

Electronic semiconductor, factory automation, and quality inspection.

Available Model

- Mono Camera: MV-CA013-70GM



Specification

Model	MV-CA013-70GM
Parameters	1.3 MP 1" CMOS GigE Area Scan Camera
Camera	
Sensor type	CMOS, global shutter
Sensor model	E2V
Pixel size	10 μm x 10 μm
Sensor size	1"
Resolution	1280 x 1024
Frame rate	49 fps
Dynamic range	73 dB
SNR	41 dB
Gain	0 dB to 20 dB
Exposure time	20 μs to 1 s
Shutter mode	Off/Once/Continuous exposure mode
Reverse image	Supports horizontal and vertical reverse image output
Image buffer	128 MB
Data format	Mono 8/10/10p/12/12p
Electrical features	
Data interface	Gigabit Ethernet
Digital I/O	Opto-isolated input x 1, Opto-isolated output x 1, Bi-directional non-isolated I/O x 1
Power supply	5 VDC to 15 VDC, supports PoE power supply
Power consumption	Approx. 3.72 W@12 VDC
Structure	
Lens mount	C-Mount
Dimension	39 mm x 44 mm x 60 mm (1.5" x 1.7" x 2.4")
Weight	Approx. 140g (0.31 lb.)
Ingress protection	IP30 (under proper lens installation and wiring)
Temperature	Working temperature: 0 °C to 50 °C (32 °F to 122 °F) Storage temperature: -30 °C to 70 °C (-22 °F to 158 °F)
Humidity	20% to 80% RH, without condensation
General	
Client software	MVS or third-party software meeting with GigE Vision Protocol
Operation system	32/64-bit Windows XP/7/10, 32/64-bit Linux and 64-bit MacOS
Compatibility	GigE Vision
Certifications	CE, FCC, RoHS, KC



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