

MV-CL020-40GM

2048 P CMOS GigE Line Scan Camera



GEN<i>CAM

GIGEVISION®

Introduction

MV-CL020-40GM is a high quality device that can be used in a variety of applications, including printing inspection, food sorting, pharma inspection, ITS and logistics inspection.

Key Feature

- Adopts GigE interface and max. transmission distance of 100 meters without relay.
- 128MB on-board buffer, for image burst transmitting and retransmitting.
- Supports auto exposure control, LUT and Gamma correction.
- Cameras can be synchronized with hard trigger and soft trigger.
- Compliant with third party software that meets with GigE Vision V1.2.

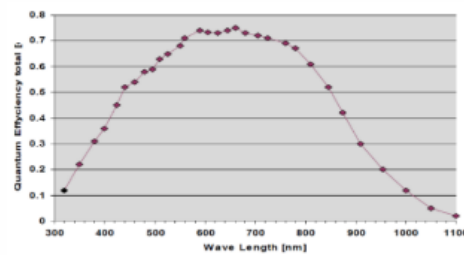
Available Model

Mono camera: MV-CL020-40GM

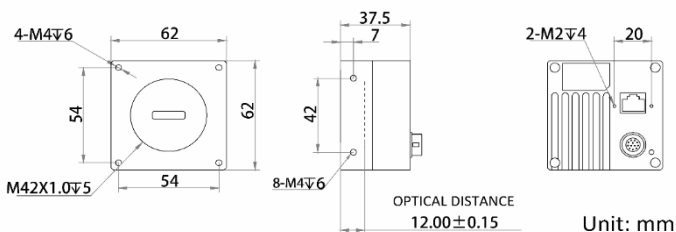
Applicable Industry

Printing, metallurgy, food sorting, pharmaceutical inspection, logistics inspection, ITS, etc.

Sensor Quantum Efficiency



Dimension



Specification

Model	MV-CL020-40GM
Camera	
Sensor type	CMOS
Pixel size	7 μ m
Resolution	2048 \times 1
Max. line rate	51 KHz@2048 \times 1
Pixel format	Mono 8/10/10p/12/12p
Dynamic range	60 dB
SNR	40 dB
Gain	0 dB to 11.7 dB
Exposure time	2 μ s to 10 ms
Exposure mode	Off/Once/Continuous exposure mode
Mono/color	Mono
External trigger mode	Line trigger, frame trigger
Trigger mode	External trigger, internal trigger
Image buffer	128 MB
Electrical feature	
Data interface	Gigabit Ethernet
Digital I/O	12-pin Hirose connector provides power and I/O, including differential input \times 2, single-end input \times 1, and differential output \times 2
Power supply	5 VDC to 15 VDC, supports PoE
Power consumption	Typ. 3.12 W @12 VDC
Mechanical	
Lens mount	M42 \times 1.0, back focal distance 12mm, F mount or C mount lens supported with lens adapter
Dimension	62 mm \times 62 mm \times 37.5 mm (2.4" \times 2.4" \times 1.5")
Weight	Approx. 170 g (0.4 lb.)
Ingress protection	IP40 (under proper lens installation and wiring)
Temperature	Working temperature: 0 $^{\circ}$ C to 50 $^{\circ}$ C (32 $^{\circ}$ F to 122 $^{\circ}$ F) Storage temperature: -30 $^{\circ}$ C to 70 $^{\circ}$ C (-22 $^{\circ}$ F to 158 $^{\circ}$ F)
Humidity	20% to 80% RH, non-condensing
General	
Client software	MVS or third-party software meeting with GigE Vision Protocol
Operating system	32/64-bit Windows XP/7/10, 32/64-bit Linux and 64-bit MacOS
Compatibility	GigE Vision
Certification	CE, FCC, RoHS, KC

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