

# MV-CL022-40GC

2K CMOS GigE Line Scan Camera



GEN< i >CAM

**GigE**  
VISION

## Introduction

MV-CL022-40GC is a high quality device that can be used in a variety of applications, including printing, metallurgy, food, pharmaceutical, transportation, logistics and material sorting.

## 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.
- Compatible with third party software that meets with GigE Vision V2.0.

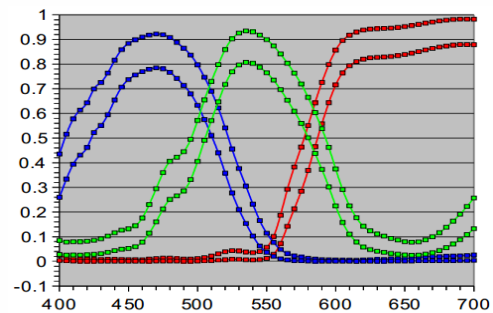
## Available Model

Color camera: MV-CL022-40GC

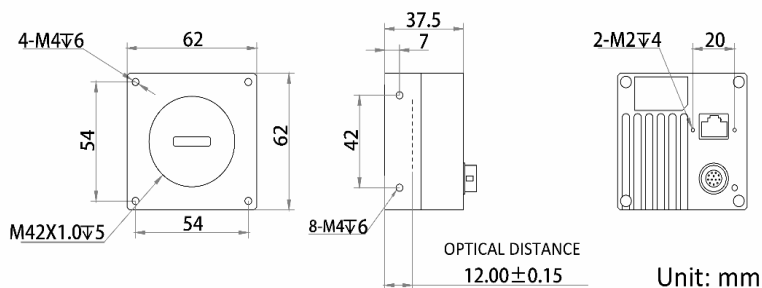
## Applicable Industry

Printing, metallurgy, food, pharmaceutical, transportation, logistics, material sorting, etc.

## Sensor Quantum Efficiency



## Dimension



## Specification

<b>Model</b>	<b>MV-CL022-40GC</b>
<b>Camera</b>	
<b>Sensor type</b>	CMOS
<b>Pixel size</b>	7 $\mu\text{m}$
<b>Resolution</b>	2048 $\times$ 2
<b>Max. line rate</b>	26 KHz@2048 $\times$ 2
<b>Pixel format</b>	Mono 8/10/12, Bayer RG 8/10/10p/12/12p, YUV 422 Packed, YUV 422 (YUYV) Packed, RGB 8
<b>Dynamic range</b>	60 dB
<b>SNR</b>	40 dB
<b>Gain</b>	0 dB to 7.9 dB
<b>Exposure time</b>	2 $\mu\text{s}$ to 10 ms
<b>Exposure mode</b>	Off/Once/Continuous exposure mode
<b>Mono/color</b>	Color
<b>Reverse image</b>	Supports horizontal reverse image output
<b>Binning</b>	Not support
<b>External trigger mode</b>	Line trigger and frame trigger
<b>Synchronization mode</b>	External trigger or internal trigger
<b>Image buffer</b>	128 MB
<b>Electrical features</b>	
<b>Data interface</b>	Gigabit Ethernet
<b>Digital I/O</b>	12-pin Hirose connector provides power and I/O, differential input $\times$ 2 (Line 0, Line 3), differential output $\times$ 2 (Line 1, Line 4), and bi-directional I/O $\times$ 1 (Line 2).
<b>Power supply</b>	12 VDC, supports PoE
<b>Power consumption</b>	Typ. 4 W@12 VDC
<b>Structure</b>	
<b>Lens mount</b>	M42 $\times$ 1.0, back focal distance 12 mm, F mount or C mount lens supported with lens adapter
<b>Dimension</b>	62 mm $\times$ 62 mm $\times$ 37.5 mm (2.4" $\times$ 2.4" $\times$ 1.5")
<b>Weight</b>	Approx. 170 g (0.4 lb.)
<b>Ingress protection</b>	IP40 (under proper lens installation and wiring)
<b>Temperature</b>	Working temperature: 0 $^{\circ}\text{C}$ to 50 $^{\circ}\text{C}$ (32 $^{\circ}\text{F}$ to 122 $^{\circ}\text{F}$ ) Storage temperature: -30 $^{\circ}\text{C}$ to 70 $^{\circ}\text{C}$ (-22 $^{\circ}\text{F}$ to 158 $^{\circ}\text{F}$ )
<b>Humidity</b>	20% to 80% RH, non-condensing
<b>General</b>	
<b>Client software</b>	MVS or third-party software meeting with GigE Vision Protocol
<b>Operating system</b>	32/64-bit Windows XP/7/10, 32/64-bit Linux and 64-bit MacOS
<b>Compatibility</b>	GigE Vision V2.0, GenICam
<b>Certification</b>	CE, FCC, RoHS, KC

# HIKROBOT

Hangzhou Hikrobot Technology Co., Ltd.  
No.399 Danfeng Road, Binjiang District, Hangzhou 310051, China.  
en.hikrobotics.com

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