

# MV-CS013-60GN

1.3 MP 2/3" CMOS GigE Area Scan Camera



**GEN*i*CAM**

**GigE**  
**VISION**

## Introduction

With GigE interface, MV-CS013-60GN camera adopts CMOS global sensor to provide high-quality images and transmit images in real time, and its max. frame rate can reach 59.2 fps in full resolution.

## Key Feature

- Adopts brand new design to reduce power consumption.
- Supports auto or manual adjustment of gain, exposure time, LUT, etc., and supports Sequencer function.
- Compact design with mounting holes on panels for flexible mounting from 4 sides.
- Adopts GigE interface and max. transmission distance of 100 meters without relay.
- Compatible with GigE Vision V2.0 Protocol, GenCam Standard, and third-party software based on the protocol and standard.

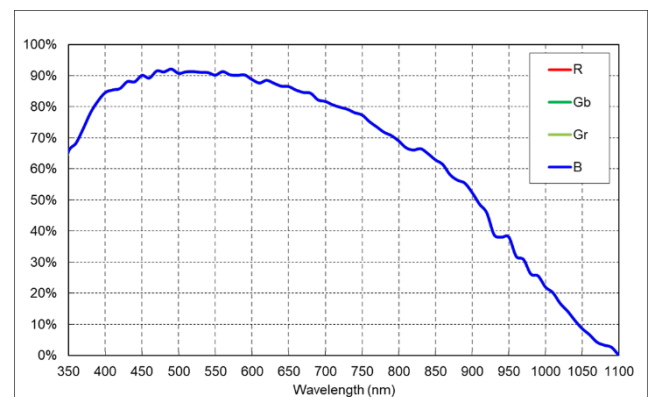
## Applicable Industry

Electronic semiconductor, factory automation, food and beverage, medicine packaging, etc.

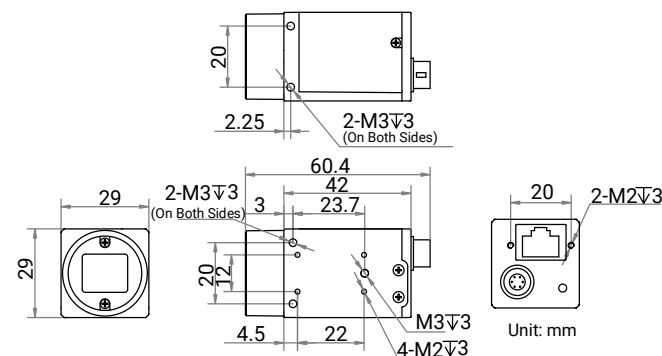
## Available Model

MV-CS013-60GN

## Sensor Quantum Efficiency



## Dimension



## Specification

|                            |  |
|----------------------------|--|
| <b>Model</b>               | <b>MV-CS013-60GN</b>   |
| <b>Performance</b>         |  |
| <b>Sensor type</b>         | CMOS, global shutter   |
| <b>Sensor model</b>        | Stacked BSI  |
| <b>Pixel size</b>          | 6.9 $\mu\text{m}$ $\times$ 6.9 $\mu\text{m}$   |
| <b>Sensor size</b>         | 2/3"   |
| <b>Resolution</b>          | 1224 $\times$ 1024   |
| <b>Max. frame rate</b>     | 59.2 fps @1224 $\times$ 1024 Mono 8  |
| <b>Dynamic range</b>       | 73.9 dB  |
| <b>SNR</b>                 | 42.4 dB  |
| <b>Gain</b>                | 0 dB to 20 dB  |
| <b>Exposure time</b>       | 30 $\mu\text{s}$ to 10 sec   |
| <b>Exposure mode</b>       | Off/Once/Continuous exposure mode  |
| <b>Mono/color</b>          | Near-infrared  |
| <b>Pixel format</b>        | Mono 8/10/10Packed/12/12Packed   |
| <b>Binning</b>             | Not supported  |
| <b>Decimation</b>          | Supports 1 $\times$ 1, 2 $\times$ 2, 4 $\times$ 4  |
| <b>Reverse image</b>       | Supports horizontal and vertical reverse image output  |
| <b>Electrical features</b> |  |
| <b>Data interface</b>      | Gigabit Ethernet, compatible with Fast Ethernet  |
| <b>Digital I/O</b>         | 6-pin P7 connector provides power and I/O, including opto-isolated input $\times$ 1 (Line 0), opto-isolated output $\times$ 1 (Line 1), bi-directional non-isolated I/O $\times$ 1 (Line 2).   |
| <b>Power supply</b>        | 9 VDC to 24 VDC, supports PoE  |
| <b>Power consumption</b>   | Typ. 1.9 W@12 VDC  |
| <b>Mechanical</b>          |  |
| <b>Lens mount</b>          | C-mount  |
| <b>Dimension</b>           | 29 mm $\times$ 29 mm $\times$ 42 mm (1.1" $\times$ 1.1" $\times$ 1.7")   |
| <b>Weight</b>              | Approx. 100 g (0.2 lb.)  |
| <b>Ingress protection</b>  | IP40 (under proper lens installation and wiring)   |
| <b>Temperature</b>         | Working temperature: -30 $^{\circ}\text{C}$ to 60 $^{\circ}\text{C}$ (-22 $^{\circ}\text{F}$ to 140 $^{\circ}\text{F}$ )<br>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 95% 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, 64-bit Windows 11, 32/64-bit Linux and 64-bit MacOS   |
| <b>Compatibility</b>       | GigE Vision V2.0, GenICam  |
| <b>Certification</b>       | CE, RoHS, KC   |

Distribution Partner:



**SCORPION  
VISION**

shop.scorpion.vision +44 (0) 1590 679333 sales@scorpion.vision

Hangzhou Hikrobot Co. Ltd.  
en.hikrobotics.com

© Hangzhou Hikrobot Co., Ltd. All Rights Reserved.

Hangzhou Hikrobot does not tolerate any infringement. Any organization or individual may not imitate or reproduce in whole or in part of the content. The data herein is based on Hikrobot's internal evaluation. Actual data may vary depending on specific configuration and operating condition. The information herein is subject to change without notice. All the content has been checked conscientiously. Nevertheless, Hikrobot shall not be liable to damages resulting from errors, inconsistencies or omissions.