

MV-CA032-10GM/GC

3.2 MP 1/1.8" CMOS GigE Area Scan Camera

GEN*ic*AM

GigE
VISION



Introduction

MV-CA032-10GM/GC camera adopts Sony IMX265 sensor to provide high-quality image. It uses GigE interface to transmit non-compressed images in real time with max. frame rate reaching 37.5 fps.

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, etc.
- Up to 128 MB local memory for burst transmission and retransmission.
- Supports hardware trigger, software trigger, etc.
- Compatible with GigE Vision Protocol V2.0, GenICam Standard, and third-party software based on these protocol and standard.

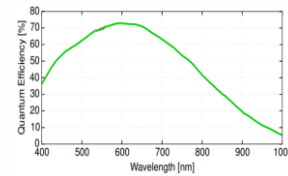
Available Model

- Mono camera: MV-CA032-10GM
- Color camera: MV-CA032-10GC

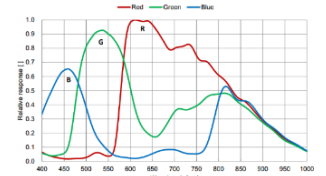
Applicable Industry

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

Sensor Quantum Efficiency

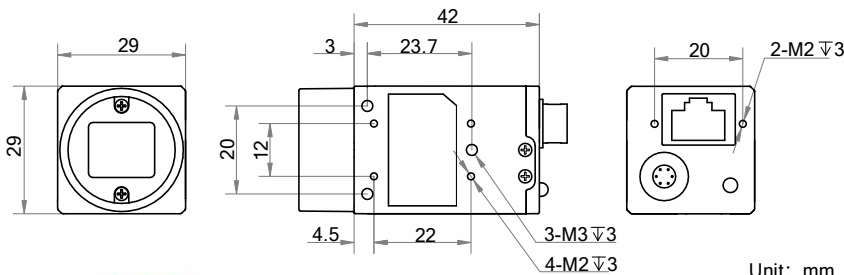


MV-CA032-10GM



MV-CA032-10GC

Dimension



Unit: mm



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Aremak Bilişim Teknolojileri
Endüstriyel Görüntü İşleme Çözümleri

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Specification

| Model | MV-CA032-10GM | MV-CA032-10GC |
|---------------------------|---|--|
| Camera | | |
| Sensor type | CMOS, global shutter | |
| Sensor model | Sony IMX265 | |
| Pixel size | 3.45 μm x 3.45 μm | |
| Sensor size | 1/1.8" | |
| Resolution | 2048 x 1536 | |
| Max. frame rate | 37.5 fps @2048 x 1536 | |
| Dynamic range | 73 dB | |
| SNR | 40 dB | |
| Gain | 0 dB to 20 dB | |
| Exposure time | UltraShort exposure mode: 1 μs to 14 μs Standard exposure mode: 15 μs to 10 sec | |
| Exposure mode | Off/Once/Continuous exposure mode | |
| Mono/color | Mono | Color |
| Pixel format | Mono 8/10/10p/12/12p | Mono 8/10/12, Bayer RG 8/10/10p/12/12p, YUV422Packed, YUV422_YUYV_Packed, RGB 8, BGR 8 |
| Binning | Supports 1 x 1, 1 x 2, 2 x 1, 1 x 4, 4 x 1, 2 x 2, 2 x 4, 4 x 2, 4 x 4 | |
| Decimation | Supports 1 x 1, 1 x 2, 2 x 1, 2 x 2 | |
| Reverse image | Supports horizontal and vertical reverse image output | |
| Image buffer | 128 MB | |
| Electrical feature | | |
| Data interface | Gigabit Ethernet, compatible with Fast Ethernet | |
| Digital I/O | 6-pin Hirose connector provides power and I/O, including opto-isolated input x 1 (Line0), opto-isolated output x 1 (Line1), and bi-directional non-isolated I/O x 1 (Line2) | |
| Power supply | 12 VDC, supports PoE | |
| Power consumption | Typ. 3.2 W@12 VDC | Typ. 3.5 W@12 VDC |
| Mechanical | | |
| Lens mount | C-Mount | |
| Dimension | 29 mm x 29 mm x 42 mm (1.1" x 1.1" x 1.7") | |
| Weight | Approx. 68 g (0.15 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, 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 V2.0, GenICam | |
| Certification | CE, FCC, RoHS, KC | |

HIKROBOT

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