

# MV-DV4024-50GM

12 MP 1/1.7" GigE Area Scan Camera



**GEN*i*CAM**

**GigE**  
VISION

## Introduction

MV-DV4024-50GM camera adopts Sony® IMX226 sensor to provide high-quality images. It uses GigE interface to transmit non-compressed images in real time, and its max. frame rate can reach 9.7 fps in full resolution.

## Key Features

- Adopts low consumption design with stable performance.
- Supports auto and manual adjustment of gain, exposure time, etc.
- Supports hardware trigger, software trigger, free run, etc.
- 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.

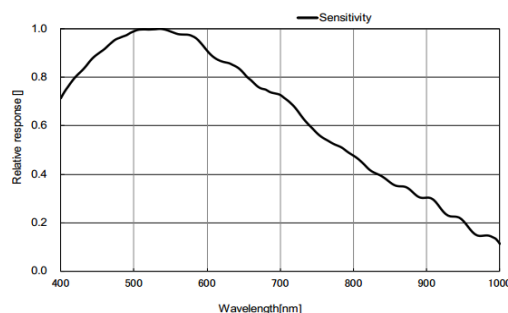
## Applicable Industry

Electronics and semiconductor, factory automation, logistics and code reading, medicine package, etc.

## Available Model

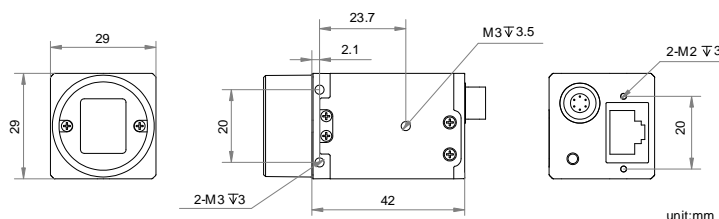
- Mono camera: MV-DV4024-50GM

## Sensor Quantum Efficiency



MV-DV4024-50GM

## Dimension



unit:mm

## Specification

<b>Model</b>	<b>MV-DV4024-50GM</b>
<b>Performance</b>	
<b>Sensor type</b>	CMOS, rolling shutter
<b>Sensor model</b>	Sony® IMX226
<b>Pixel size</b>	1.85 μm × 1.85 μm
<b>Sensor size</b>	1/1.7"
<b>Resolution</b>	4024 × 3036
<b>Max. frame rate</b>	9.7 fps @ 4024 × 3036 Mono 8
<b>Dynamic range</b>	70.5 dB
<b>SNR</b>	40.5 dB
<b>Gain</b>	0 dB to 20 dB
<b>Exposure time</b>	34 μs to 2 sec
<b>Exposure mode</b>	Off/Once/Continuous exposure mode
<b>Mono/color</b>	Mono
<b>Pixel format</b>	Mono 8/10/10Packed/12/12Packed
<b>Binning</b>	Supports 1 × 1, 2 × 2, 4 × 4
<b>Decimation</b>	Supports 1 × 1, 2 × 2, 4 × 4
<b>Reverse image</b>	Supports horizontal and vertical reverse image output
<b>Electrical feature</b>	
<b>Data interface</b>	Gigabit Ethernet (1000 Mbit/s), compatible with Fast Ethernet (100 Mbit/s)
<b>Digital I/O</b>	6-pin P7 connector provides power and I/O, including opto-isolated input × 1 (Line 0), opto-isolated output × 1 (Line 1), bi-directional non-isolated I/O × 1 (Line 2).
<b>Power supply</b>	9 VDC to 24 VDC, PoE is optional
<b>Power consumption</b>	Typ. 1.78 W @ 12 VDC
<b>Mechanical</b>	
<b>Lens mount</b>	C-mount
<b>Dimension</b>	29 mm × 29 mm × 42 mm (1.1" × 1.1" × 1.7")
<b>Weight</b>	Approx. 100 g (0.2 lb.)
<b>Ingress protection</b>	IP30 (under proper lens installation and wiring)
<b>Temperature</b>	Working temperature: 0 °C to 50 °C (32 °F to 122 °F) Storage temperature: -30 °C to 80 °C (-22 °F to 176 °F)
<b>Humidity</b>	20% RH to 95% RH (no condensation)
<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 7/10, 64-bit Windows 11, 32/64-bit Linux
<b>Compatibility</b>	GigE Vision V2.0, GenICam
<b>Certification</b>	CE, RoHS, KC