

MV-CS016-11GM

1.6MP1/2.9"CMOSGigEAreaScan Camera



GEN*i*CAM

GigE
VISION

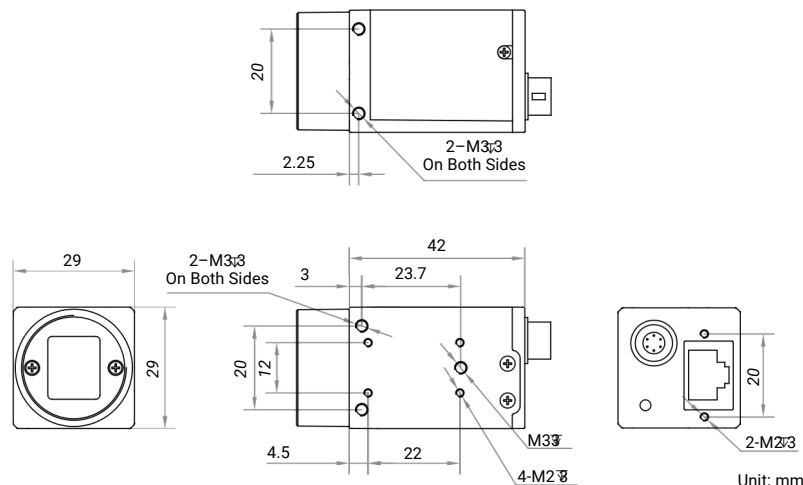
Introduction

MV-CS016-11GM camera adopts Sony® IMX 273 CMOS sensor to provide high-quality image. It uses GigE interface to transmit non-compressed images in real time, and its max. frame rate can reach 78.2 fps in full resolution.

Key Feature

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

Dimension



Available Model

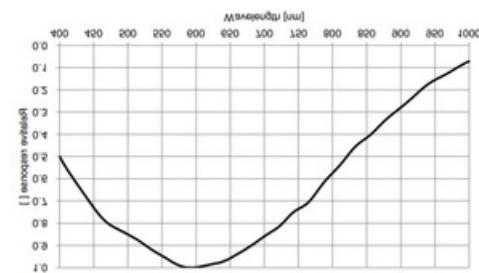
MV-CS016-11GM

Applicable Industry

Electrical semiconductor, factory automation, food and beverage, pharmaceutical packaging, etc.

Sensor Quantum

Efficiency



MV-CS016-11GM

Specification

HIKROBOT

Model	MV-CS016-11GM
Performance	
Sensor type	CMOS, global shutter
Sensor model	Sony® IMX273
Pixel size	3.45 μm × 3.45 μm
Sensor size	1/2.9"
Resolution Max.	1440 × 1080
frame rate	78.2 fp1440 × 1080 Mono 8
Dynamic range	74 dB
SNR Gain	41 dB
Exposure time	0 dB to 24 dB
	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
Pixel format	Mono 8/10/10Packed/12/12Packed
Binning	Supports 1 × 1, 2 × 2
Decimation	Supports 1 × 1, 2 × 2
Reverse image	Supports horizontal and vertical reverse image output
Electrical feature	
Data interface	Gigabit Ethernet (1000 Mbit/s), compatible with Fast Ethernet (100 Mbit/s)
Digital I/O	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).
Power supply	9 VDC to 24 VDC, supports PoE
Power consumption	Typ. 2.3 W @ 12 VDC
Mechanical	
Lens mount	C-mount
Dimension	29 mm × 29 mm × 42 mm (1.1" × 1.1" × 1.2")
Weight	Approx. 100 g (0.22 lb.)
Ingress protection	IP40 (under proper lens installation and wiring)
Temperature	Working temperature: -30 °C to 60 °C (-22 °F to 140 °F) Storage temperature: -30 °C to 80 °C (-22 °F to 176 °F)
Humidity	20% RH to 95% RH (no condensation)
General	
Client software	MVS or third-party software meeting with GigE Vision Protocol
Operating system	32/64-bit Windows 7/10, 64-bit Windows 11, 32/64-bit Linux
Compatibility	GigE Vision V2.0, GenICam
Certification	CE, RoHS, KC