

MV-CH140-60GM/GC

14 MP 1" CMOS GigE Area Scan Camera





GEN**<i>**CAM



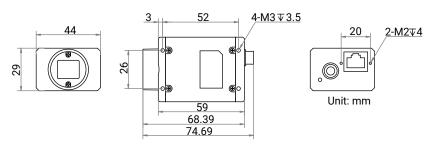
Introduction

MV-CH140-60GM/GC camera adopts CMOS global 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 fps in full resolution.

Key Feature

- Supports auto or manual adjustment of gain, exposure time, white balance, LUT, Gamma correction, etc.
- Adopts GigE interface and max. transmission distance of 100 meters without relay.
- Compatible with GigE Vision V2.0 Protocol, GenlCam Standard, and third-party software based on the protocol and standard.

Dimension



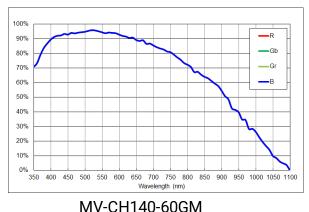
Available Model

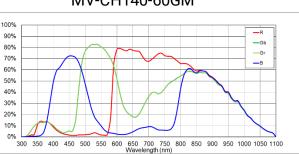
- Mono camera: MV-CH140-60GM
- Color camera: MV-CH140-60GC

Applicable Industry

Electronic semiconductor, factory automation, logistics code reading, medicine packaging, etc.

Sensor Quantum Efficiency





MV-CH140-60GC



Specification

Model	MV-CH140-60GM	MV-CH140-60GC	
Performance			
Sensor type	CMOS, global shutter		
Sensor model	Stacked BSI		
Pixel size	3 μm × 3 μm		
Sensor size	1"		
Resolution	4708 × 2824		
Max. frame rate	9 fps @4708 × 2824 Mono 8	9 fps @4708 × 2824 Bayer GR 8	
Dynamic range	56.9 dB		
SNR	41.9 dB		
Gain	0 dB to 24 dB		
Exposure time	80 µs to 10 sec		
Exposure mode	Off/Once/Continuous exposure mode		
Mono/color	Mono	Color	
Pixel format		Mono 8/10/12,	
	Mono 8/10/10Packed/12/12Packed	Bayer GR 8/10/10Packed/12/12Packed,	
	Mono of Tor Torackey Tz/Tzrackey	YUV422Packed, YUV422_YUYV_Packed,	
		RGB 8, BGR 8	
Binning	Supports 1 × 1, 2 × 2		
Decimation	Supports 1 × 1, 2 × 2		
Reverse image	verse image Supports horizontal and vertical reverse image output		
Electrical feature			
Data interface	Gigabit Ethernet, compatible with Fast Ethernet		
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. 3.0 W@12 VDC	Typ. 3.5 W@12 VDC	
Mechanical	1		
Lens mount	C-mount		
Dimension	29 mm × 44 mm × 59 mm (1.1" × 1.7" × 2.3")		
Weight	Approx. 117 g (0.3 lb.)		
Ingress protection	IP40 (under proper lens installation and wiring)		
Temperature	Working temperature: -10 °C to 50 °C (14 °F to 122 °F)		
	Storage temperature: -30 °C to 70 °C (-22 °F to 158 °F)		
Humidity	20% to 95% 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, 64-bit Windows 11, 32/64-bit Linux and 64-bit MacOS		
Compatibility	GigE Vision V2.0, GenlCam		
Certification	CE, RoHS, KC		

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