

MV-CH140-60GM/GC

14 MP 1" CMOSGigE AreaScanCamera



GEN*<i>i</i>*CAM

GigE
VISION

Introduction

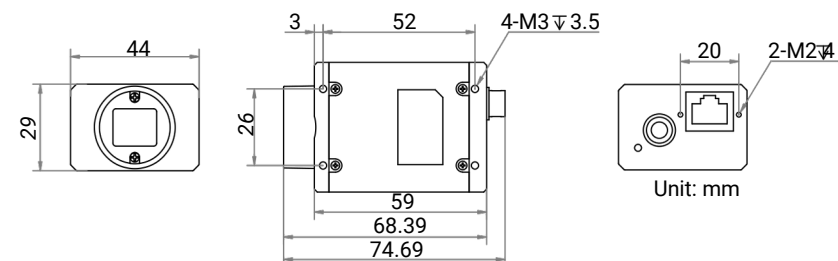
MV-CH140-60GM/GC camera adopts CMOS global sensor to provide high-quality images. It uses GigE interface to transmit non-compressed images in real time, and its max. frame rate can reach 9 fps in full resolution.

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,
- GenICam Standard, and third-party software

based on the protocol and standard.

Dimension



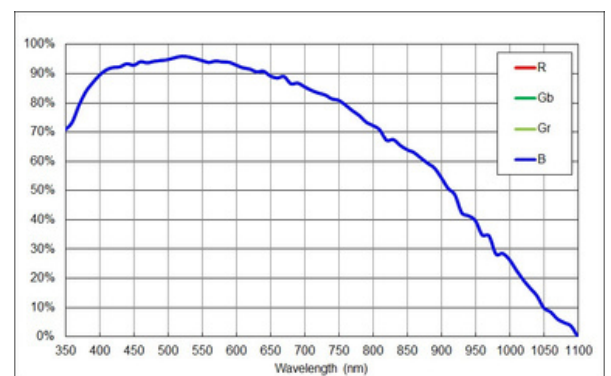
Available Model

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

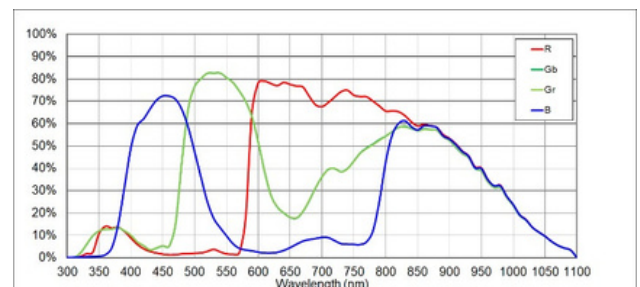
Applicable Industry

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

Sensor Quantum Efficiency



MV-CH140-60GM



MV-CH140-60GC

Specification

Model	MV-CH140-60GM	MV-CH140-60GC
Performance		
Sensor type	CMOS, global shutter Stacked BSI 3	
Sensor model	μm × 3 μm 1" 4708 × 2824 9 fps @	
Pixel size	4708 × 2824 Mono 8 56.9 dB 41.9 dB	
Sensor size	0 dB to 24 dB 80 μs to 10 sec	
Resolution Max.	Off/Once/Continuous exposure mode	
frame rate	Mono	9 fps @ 4708 × 2824 Bayer GR 8
Dynamic range		
SNR Gain		
Exposure time		
Exposure mode		
Mono/color		
Pixel format		Color
	Mono 8/10/10Packed/12/12Packed	Mono 8/10/12, Bayer GR 8/10/10Packed/12/12Packed, YUV422Packed, YUV422_YUYV_Packed, RGB 8, BGR 8
Binning	Supports 1 × 1, 2 × 2	
Decimation	Supports 1 × 1, 2 × 2	
Reverse image	Supports horizontal and vertical reverse image output	
Electrical feature	 VISCON TECHNOLOGY CO., LTD. 54/88 KHLONGSEE, KHLONG LUANG DISTRICT, PATHUM THANI 12120 THAILAND TEL : 02-0009297 MB : 0809293068 E-MAIL : SALE@VISCONTECHNOLOGY.COM	
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. 3.0 W @ 12 VDC	Typ. 3.5 W @ 12 VDC
Mechanical		
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% 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, and 32/64-bit Linux	
Compatibility	GigE Vision V2.0, GenICam	
Certification	CE, RoHS, KC	