MV-CH250-90GM

25 MP 1.1" CMOS GigE Area Scan Camera

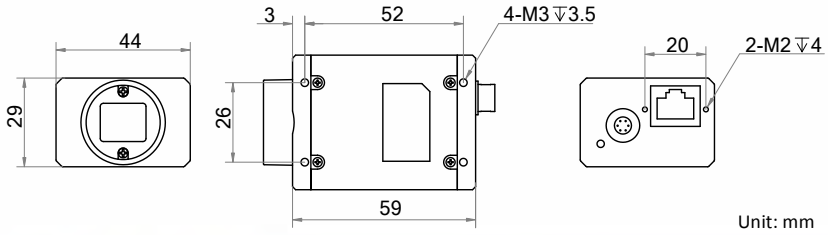
Introduction

MV-CH250-90GM camera adopts Gpixel GMAX0505 sensor to provide high-quality image. It uses GigE interface to transmit non-compressed images in real time with max. frame rate reaching 4.5 fps.

Key Feature

- Supports manual adjustment for gain, exposure control, LUT, Gamma correction, etc.
- Resolution of 5120 × 5120 and pixel size of 2.5 μm × 2.5 μm
- Adopts GigE interface providing max. transmission distance of 100 meters without relay
- Supports hardware triggering, software triggering and free run mode
- Up to 128 MB local memory for burst transmission and retransmission

Dimension



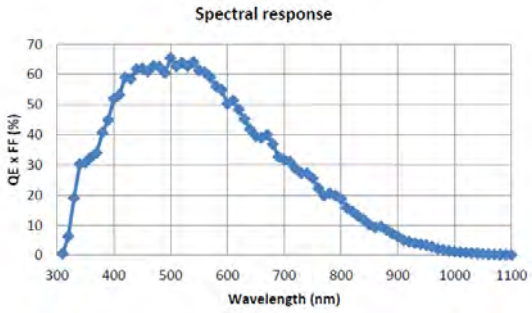
Available Model

Mono camera: MV-CH250-90GM

Applicable Industry

SMT/ PCB AOI, FPD, railway related applications, etc.

Sensor Quantum Efficiency



Specification

Model	MV-CH250-90GM
Camera	
Sensor type	CMOS, global shutter
Sensor model	Gpixel GMAX0505
Pixel size	2.5 μm × 2.5 μm
Sensor size	1.1"
Resolution	5120 × 5120
Max. frame rate	4.5 fps @5120 × 5120
Dynamic range	63 dB
SNR	36 dB
Gain	7.9 dB to 13.9 dB
Exposure time	12 μs to 10 s
Mono/color	Mono
Shutter mode	Off/Once/Continuous exposure mode
Pixel format	Mono 8/10/10p/12/12p
Binning	Supports 2 × 2, 4 × 4
Decimation	Supports 2 × 2, 4 × 4
Reverse image	Supports horizontal and vertical reverse image output
Image buffer	128 MB
Electrical features	
Data interface	Gigabit 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	5 VDC to 15 VDC, supports PoE power supply
Power consumption	< 3.6 W@12 VDC
Structure	
Lens mount	C-mount
Dimension	29 mm × 44 mm × 59 mm (1.1" × 1.7" × 2.3")
Weight	< 100 g (0.2 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, without condensation
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
Hangzhou Hikrobot Technology Co.,Ltd.
No.399 Danfeng Road, Binjiang District,Hangzhou 310051 , China.
en.hikrobotics.com

MaxxVision®
Sigmaringer Str. 121
70567 Stuttgart
Tel.: 0711 997 996 3
www.maxxvision.com