MV-CH250-60TM

25 MP CMOS 10 GigE Area Scan Camera

Introduction

MV-CH250-60TM camera adopts CMOS sensor to provide high-quality images with high resolution and low noise. It uses 10 GigE interface to transmit non-compressed data in real time, and its max. frame rate can reach 31.7 fps in full resolution.

Key Feature

- Resolution of 5120 × 5120, and pixel size of 4.5 μm × 4.5 μm.
- Supports auto or manual adjustment of exposure time, and manual adjustment of gain, Gamma correction, LUT, etc.
- Adopts 10 GigE interface, compatible with GigE, and max. transmission distance of 100 meters.
- Compact design with mounting holes on panels for flexible mounting.
- Compatible with GigE Vision V2.0 Protocol, GenICam Standard, and third-party software based on the protocol and standard.

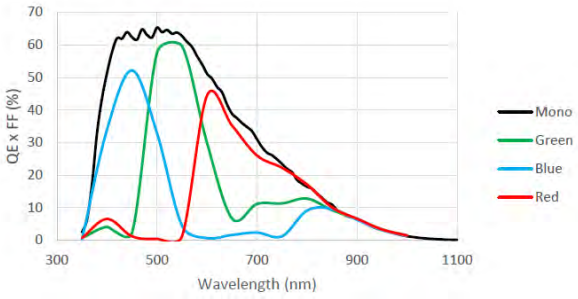
Available Model

MV-CH250-60TM-M58S-NF

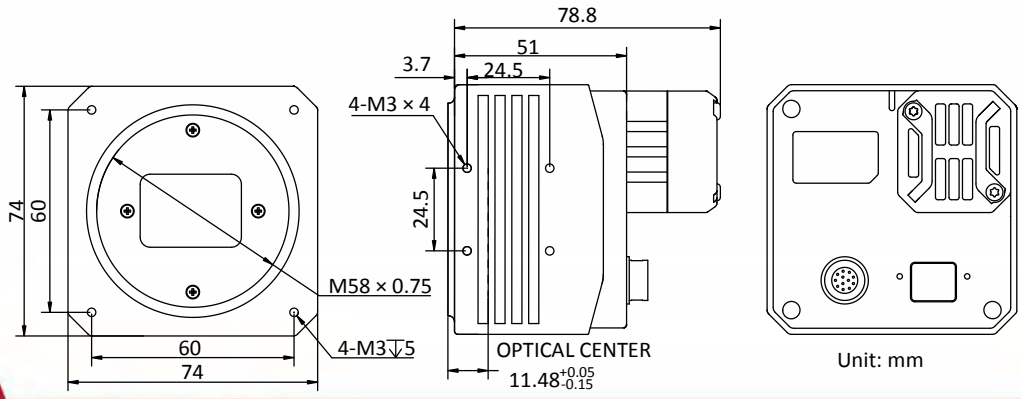
Applicable Industry

PCB AOI, FPD detection, photovoltaics, railway related application, etc.

Sensor Quantum Efficiency



Dimension



Specification

Model	MV-CH250-60TM
Camera	
Sensor type	CMOS, global shutter
Pixel size	4.5 μm × 4.5 μm
Sensor size	23 mm × 23 mm
Resolution	5120 × 5120
Max. frame rate	31.7 fps @5120 × 5120 Mono 8
Dynamic range	66 dB
SNR	40 dB
Gain	0 dB to 15.6 dB
Exposure time	15 μs to 10 sec
Exposure mode	Off/Once/Continuous exposure mode
Mono/Color	Mono
Pixel format	Mono 8/10/10Packed/12/12Packed
Binning	Not support
Decimation	Not support
Reverse image	Supports horizontal and vertical reverse image output
Electrical feature	
Data interface	10 Gigabit Ethernet, compatible with Gigabit Ethernet
Digital I/O	12-pin P10 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), RS-232 × 1
Power supply	12 VDC to 24 VDC
Power consumption	Typ. 15.1 W@12 VDC
Mechanical	
Lens mount	M58-mount, flange back focal length: 11.48 mm (0.5")
Dimension	74 mm × 74 mm × 78.8 mm (2.9" × 2.9" × 3.1")
Weight	Approx. 550 g (1.2 lb)
Ingress protection	IP40 (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 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
Compatibility	GigE Vision V2.0, GenICam
Certification	CE, RoHS, KC

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