

MV-CL162-B0F2M

16384 P XoFLink Line Scan Camera


GEN*i*CAM
XoFLink

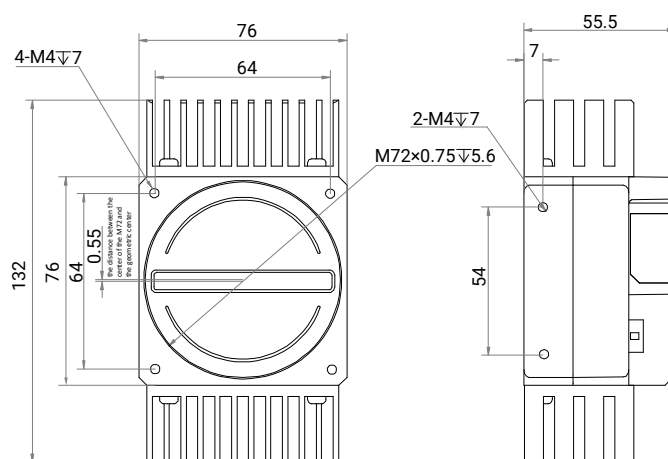
Introduction

MV-CL162-B0F2M camera adopts 16384 × 2 CMOS sensor and supports dual-channel XoFLink data transmission, and its max. line rate reaches 105 kHz. It integrates multiple advanced ISP image processing technologies, and is featured with high speed, high accuracy, and high performance.

Key Features

- Adopts multiple ISP image processing technologies, such as Gamma correction, flat field correction, LUT, black level, etc.
- Supports dual fiber connectors with 20 G high-bandwidth transmission.
- Supports multiple exposure and acquisition modes, and 2-TDI image mode. Its max. line rate reaches 105 kHz.
- Compact design and flexible installation.

Dimension



Unit: mm

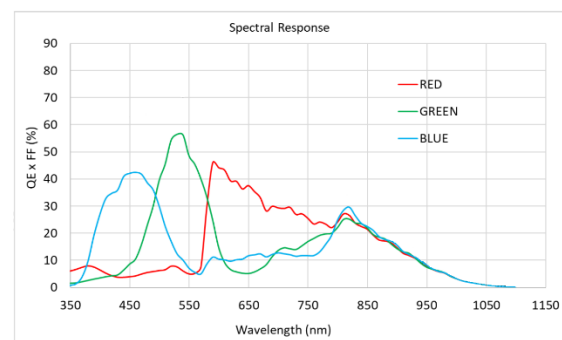
Available Model

MV-CL162-B0F2M

Applicable Industry

New energy, screen detection, consumer electronics, PCB, semiconductor, etc.

Sensor Quantum Efficiency



Specification

Model	MV-CL162-B0F2M
	16384 P XoFLink Line Scan Camera
Performance	
Sensor type	CMOS
Pixel size	3.5 μm $\times$ 3.5 μm
Resolution	16384 $\times$ 2
Image mode	1-Line, 2-TDI
Max. line rate	1 Link mode: 73.2 kHz (1-Line), 65 kHz (2-TDI) 2 Link mode: 105 kHz (1-Line), 65 kHz (2-TDI)
Transmission mode	1 Link, 2 Link
Dynamic range	61.7 dB
SNR	39.4 dB
Gain	1.0 $\times$, 2.0 $\times$
Exposure time	3 μs to 10 ms
Exposure mode	Off/Once/Continuous exposure mode, and supports trigger-width exposure time
Mono/color	Mono
Pixel format	Mono 8/10/12
Binning	Supports 1 $\times$ 1, 1 $\times$ 2, 1 $\times$ 4, 2 $\times$ 1, 2 $\times$ 2, 2 $\times$ 4, 4 $\times$ 1, 4 $\times$ 2, 4 $\times$ 4
Reverse image	Supports horizontal reverse image output
Trigger mode	External trigger, internal trigger
External trigger mode	Line trigger
Electrical feature	
Data interface	2LC fiber connector
Digital I/O	Not supported
Power supply	12 VDC to 24 VDC (12-pin P10 connector)
Power consumption	Typ. 13.2 W @ 12 VDC
Mechanical	
Lens mount	M72*0.75, flange back length 12 mm, applicable to F-mount via lens adapter
Dimension	132 mm $\times$ 76 mm $\times$ 55.5 mm (5.2" $\times$ 3.0" $\times$ 2.2")
Weight	Approx. 600 g (1.3 lb.)
Ingress protection	IP40 (under proper lens installation and wiring)
Temperature	Working temperature: -20 $^{\circ}\text{C}$ to 50 $^{\circ}\text{C}$ (-4 $^{\circ}\text{F}$ to 122 $^{\circ}\text{F}$) Storage temperature: -30 $^{\circ}\text{C}$ to 80 $^{\circ}\text{C}$ (-22 $^{\circ}\text{F}$ to 176 $^{\circ}\text{F}$)
Humidity	5% RH to 90% RH (no condensation)
General	
Client software	MVS
Operating system	32/64-bit Windows 7/10, 64-bit Windows 11, 32/64-bit Linux
Compatibility	XoFLink, GenICam
Certification	CE, RoHS, KC