

MV-CIS-308mm-06-U0F1M

CIS Line Scan Camera



Introduction

MV-CIS-308mm-06-U0F1M camera is designed for capturing surface characteristics of various flat and wide materials. It features a compact size, short working distance, quick installation and debugging, and distortion-free imaging. It is also applicable to industries such as sheet materials, coil materials, new energy, and consumer electronics.

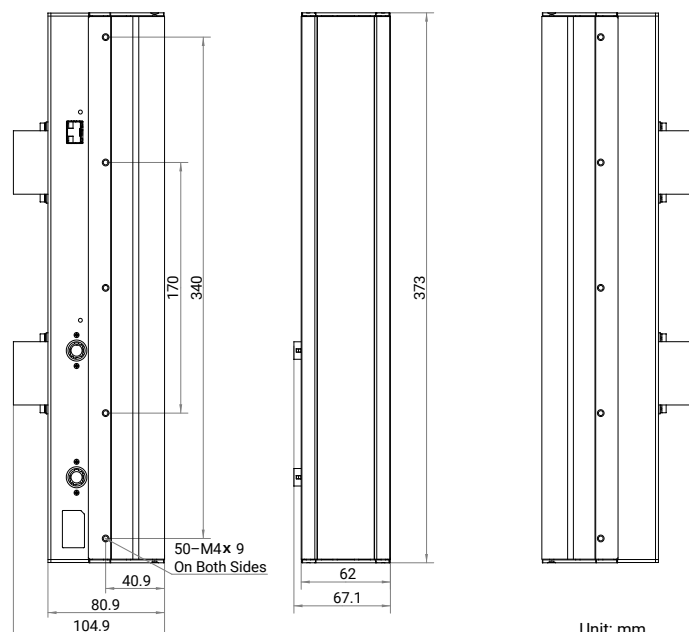
Available Model

MV-CIS-308mm-06-U0F1M

Applicable Industry

New energy, PCB, printing, textiles, panel, consumer electronics, etc.

Dimension



Key Features

- Integrated structure design of camera, lens, and light source for simple installation and wiring.
- Short working distance, reducing the space occupied by field equipment.
- 1:1 imaging, with no distortion at the image edges.
- Supports pixel density such as 600 dpi, meeting the needs of conventional applications for industrial inspection.
- Provides an alternative to multi-camera connecting solutions with customized dimensions.
- Incorporates ISP functions for a variety of line scan cameras for convenient and rapid parameter configuration.

Naming Rule

MV - CIS - 308mm - 06 - U0 F1 M

CIS: CIS line scan camera

308mm: Field of view (width)

06: Pixel density

U0: Camera version

F1: Data interface

M: Mono/Color

Specification

Model	MV-CIS-308mm-06-U0F1M
Performance	
Sensor type	CMOS
Pixel size	42.34 μm
Resolution	7360 $\times$ 1
Image mode	1-Line
Max. line rate	95.5 kHz
Transmission mode	1Link
Field of view (width)	308 mm
Pixel density	600 dpi
Gain	2.0 $\times$, 2.4 $\times$, 2.8 $\times$, 3.3 $\times$, 4.0 $\times$, 4.7 $\times$, 5.5 $\times$, 6.75 $\times$, 8.0 $\times$
Exposure time	3 μs to 10 ms
Exposure mode	Off exposure mode
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, frame trigger
Electrical feature	
Data interface	LC fiber connector
Digital I/O	LED_PWR: 12-pin P10 connector provides power for light source CAM_PWR: 12-pin P10 connector provides power and I/O for camera
Power supply	24 VDC
Power consumption	Camera: 26.4 W @ 24 VDC Light source: 3.8 W @ 24 VDC
Mechanical	
Working distance	15 mm $\pm$ 0.9 mm
Dimension	373 mm $\times$ 62 mm $\times$ 104.5 mm (14.7" $\times$ 2.4" $\times$ 4.1")
Weight	Approx. 4 kg (8.8 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 7/10/11
Compatibility	XoFLink, GenICam
Certification	CE, RoHS, KC