HIKROBOT

MV-ID3050PM

4.2 MP Smart Code Reader

CE FC RoHS KC

Introduction

MV-ID3050PM smart code reader can read different types of codes with reading speed up to 60 codes/sec. It adopts Hikrobot's deep learning algorithm to process images with good robustness, and can recognize various complex codes.

Key Feature

- Adopts built-in deep learning algorithm to read codes with good robustness.
- Adopts CMOS global shutter sensor to provide high quality images.
- Adopts multiple IO interfaces for input and output signals.
- Adopts 14 LED lamps to provide polarized and non-polarized modes.
- Adopts 2 LED aiming lamps for easy installation and code aiming.
- Indicators on device display device status and code reading results.

Applicable Industry

Consumer electronics, food and beverage, pharmaceutical, semiconductor, automobile, etc.
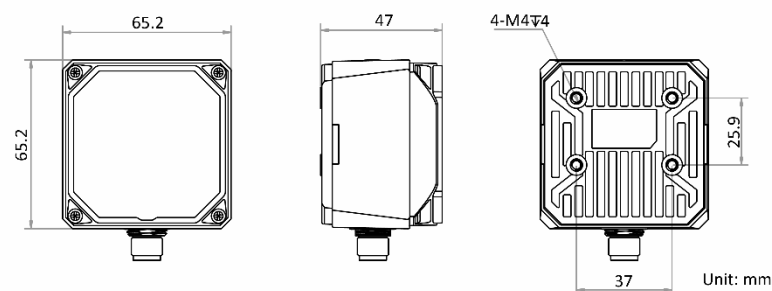
Available Model

8 mm focal length: MV-ID3050PM-08M-WBN
12 mm focal length: MV-ID3050PM-12M-WBN
16 mm focal length: MV-ID3050PM-16M-WBN
25 mm focal length: MV-ID3050PM-25M-WBN

Dimension

65.2   47   4-M4▽4

65.2   25.9

37   Unit: mm

Specification

Model	MV-ID3050PM-08M-WBN	MV-ID3050PM-12M-WBN	MV-ID3050PM-16M-WBN	MV-ID3050PM-25M-WBN
Performance				
Symbologies	1-dimensional codes: Code 39, Code 93, Code 128, CodaBar, EAN 8, EAN 13, UPCA, UPCE, ITF 14, ITF 25, Matrix 25, MSI, China Post, Code 11 and Industrial 25			
	2-dimensional codes: QR Code, Data Matrix			
	Stack codes: PDF 417			
Max. frame rate	30 fps			
Max. reading speed	60 codes/sec			
Sensor type	CMOS, global shutter			
Pixel size	3.2 μm × 3.2 μm			
Sensor size	1/1.7"			
Resolution	2368 × 1760			
Exposure time	60 μs to 1 sec			
Gain	0 dB to 18 dB			
Mono/color	Mono			
Communication protocol	SmartSDK, TCP Client, TCP Server, Serial, FTP, Profinet, Ethernet/IP, MELSEC, ModBus, Fins, SLMP			
Electrical feature				
Data interface	Fast Ethernet			
Digital I/O	Non-isolated input (LineIn 0/1/2) × 3, non-isolated output (LineOut 0/1/2) × 3, RS-232 input × 1, RS-232 output × 1. Device trigger via pressing button on top supported.			
Power supply	24 VDC			
Max. power consumption	Approx. 47.5 W@24 VDC (light source enabled)			
Mechanical				
Focal length	8 mm (0.3")	12 mm (0.5")	16 mm (0.6")	25 mm (1.0")
Lens mount	M12-mount, mechanical autofocus supported.			
Lens cap	Half polarized front cover by default. Polarized and transparent ones are optional.			
Light source	White light by default. Red/blue/IR light is optional.			
Indicator	Power indicator (PWR), network indicator (LNK), status indicator (STS), result indicator (OK/NG)			
Dimension	65.2 mm × 65.2 mm × 47 mm (2.6" × 2.6" × 1.9")			
Weight	Approx. 280 g (0.6 lb.)			
Ingress protection	IP67 (under proper installation of waterproof lens cap)			
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	IDMVS			
Certification	CE, FCC, RoHS, KC			

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