

MV-ID5050M

4.2 MP Smart Code Reader



Introduction

MV-ID5050M smart code reader can read different types of codes with reading speed up to 90 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 mechanical autofocus lens to achieve automatic focusing.
- Supports code score and quality evaluation for code printing quality.
- Adopts controllable light source design providing diversified light.
- Ingress protection rating 67.

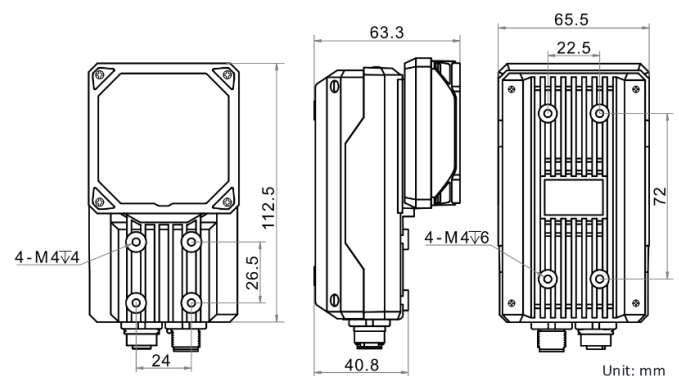
Applicable Industry

Consumer electronics, food and beverage, pharmaceutical, semiconductor, automobile, new energy, etc.

Available Model

- 8 mm focal length: MV-ID5050M-08S-WBN
- 12 mm focal length: MV-ID5050M-12S-WBN
- 16 mm focal length: MV-ID5050M-16S-WBN
- 25 mm focal length: MV-ID5050M-25S-WBN

Dimension



Specification

Model	MV-ID5050M-08S-WBN	MV-ID5050M-12S-WBN	MV-ID5050M-16S-WBN	MV-ID5050M-25S-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	40 fps			
Max. reading speed	90 codes/sec			
Sensor type	CMOS, global shutter			
Pixel size	3.2 μm \times 3.2 μm			
Sensor size	1/1.7"			
Resolution	2368 \times 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	Gigabit Ethernet			
Digital I/O	12-pin M12 connector provides power and I/O, including opto-isolated input (LineIn 0/1/2) \times 3, opto-isolated output (LineOut 0/1/2) \times 3, RS-232 input \times 1, and RS-232 output \times 1.			
Power supply	24 VDC			
Max. power consumption	Approx. 60 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 polarization lens cap by default. Transparent and full polarization lens cap are optional.			
Light source	White light by default. Red/blue/IR light is optional.			
Indicator	Power indicator (PWR), network indicator (LNK/ACT), and user-defined indicator (U1/U2).			
Dimension	112.5 mm \times 65.5 mm \times 63.3 mm (4.4" \times 2.6" \times 2.5")			
Weight	Approx. 450 g (1.0 lb.)			
Ingress protection	IP67 (under proper installation of waterproof lens cap)			
Temperature	Working temperature: 0 $^{\circ}\text{C}$ to 50 $^{\circ}\text{C}$ (32 $^{\circ}\text{F}$ to 122 $^{\circ}\text{F}$) Storage temperature: -30 $^{\circ}\text{C}$ to 70 $^{\circ}\text{C}$ (-22 $^{\circ}\text{F}$ to 158 $^{\circ}\text{F}$)			
Humidity	20% to 95% RH, non-condensing			
General				
Client software	IDMVS			
Certification	CE, FCC, RoHS			