MV-ID5030M

3.1 MP Smart Code Reader

HIKROBOT

CE FC RoHS KC

Introduction

MV-ID5030M 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.
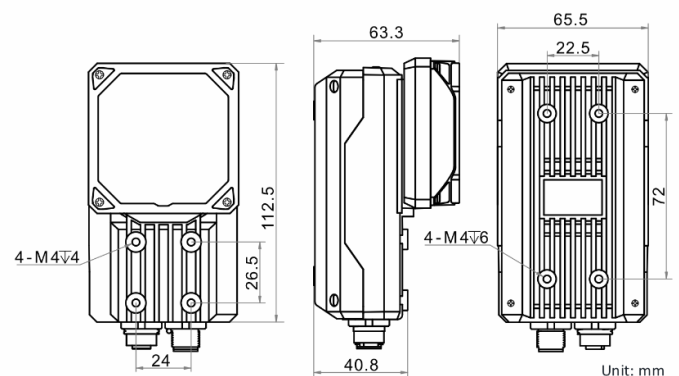- Ingress protection rating 67.

Applicable Industry

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

Available Model

8 mm focal length: MV-ID5030M-08S-WBN
12 mm focal length: MV-ID5030M-12S-WBN
16 mm focal length: MV-ID5030M-16S-WBN
25 mm focal length: MV-ID5030M-25S-WBN

Dimension

63.3   65.5
22.5
112.5   72
4 - M4↓4   26.5   4 - M4↓6
24   40.8
Unit: mm

Specification

Model	MV-ID5030M-08S-WBN	MV-ID5030M-12S-WBN	MV-ID5030M-16S-WBN	MV-ID5030M-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	60 fps			
Max. reading speed	90 codes/sec			
Sensor type	CMOS, global shutter			
Pixel size	2.5 µm × 2.5 µm			
Sensor size	1/2"			
Resolution	2048 × 1536			
Exposure time	16 µs to 1 sec			
Gain	1 dB to 4 dB			
Mono/color	Mono			
Communication protocol	SmartSDK, TCP Client, TCP Server, Serial, FTP, Profinet, Ethernet/IP, MELSEC, ModBus, Fins, SLMP, UDP			
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) × 3, opto-isolated output (LineOut 3/4/5) × 3, RS-232 input × 1, and RS-232 output × 1.			
Power supply	24 VDC			
Max. power consumption	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 × 65.5 mm × 63.3 mm (4.4" × 2.6" × 2.5")			
Weight	Approx. 450 g (1.0 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			