HIKROBOT®

MV-ID3004PM

0.4 MP Smart Code Reader

(CE FC RoHS KC)

Introduction

MV-ID3004PM smart code reader can read different types of codes with reading speed up to 87 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 multiple IO interfaces for input and output signals.
- Supports multiple communication protocols, including TCP, Serial, FTP, PROFINET, HTTP, etc.
- Adopts CMOS sensor to acquire image data and provide high-quality image.
- Supports RS-232 serial port and indicators displaying device status.
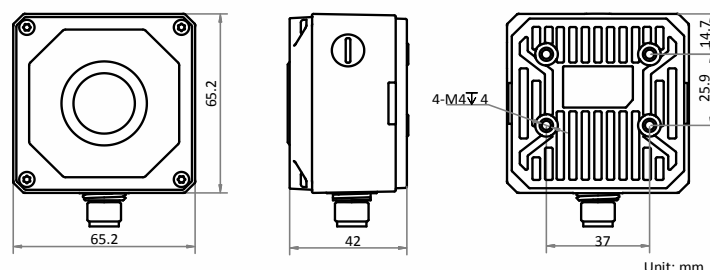
Available Model

6 mm focal length with manual focus: MV-ID3004PM-06S-WBN
12 mm focal length with manual focus: MV-ID3004PM-12S-WBN
14.8 mm focal length with manual focus: MV-ID3004PM-15S-WBN
6 mm focal length with mechanical autofocus: MV-ID3004PM-06M-WBN
12 mm focal length with mechanical autofocus: MV-ID3004PM-12M-WBN
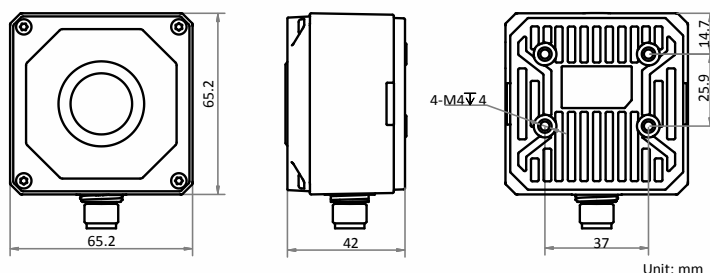14.8 mm focal length with mechanical autofocus: MV-ID3004PM-15M-WBN

Applicable Industry

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

Dimension

Manual focus

Unit: mm

Mechanical autofocus

Unit: mm

Specification

Model	MV-ID3004PM-06*-WBN	MV-ID3004PM-12*-WBN	MV-ID3004PM-15*-WBN
Performance			
Symbologies	1-dimensional codes: Code 39, Code 93, Code 128, ITF 25, CodaBar, EAN, MATRIX 25, MSI, Industrial 25, China Post, Code 11		
	2-dimensional codes: QR Code, Data Matrix		
Max. frame rate	60 fps		
Max. reading speed	87 codes/sec		
Sensor type	CMOS, global shutter		
Pixel size	6.9 µm × 6.9 µm		
Sensor size	1/2.9"		
Resolution	704 × 540		
Exposure time	16 µs to 1 sec		
Gain	0 dB to 40 dB		
Mono/color	Mono		
Communication protocol	SmartSDK, TCP Client, TCP Server, UDP, Serial, FTP, HTTP, PROFINET, Ethernet/IP, MELSEC, ModBus		
Electrical feature			
Interface	17-pin M12 interface provides power, Ethernet, I/O, and serial port.		
Ethernet	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, and RS-232 output × 1. Device trigger via pressing button on top supported.		
Power supply	24 VDC		
Max. power consumption	20 W@24 VDC (light source enabled)		
Mechanical			
Focal length	6 mm (0.2")	12 mm (0.5")	14.8 mm (0.6")
Lens mount	M12-mount, manual focus or mechanical autofocus.		
Lens cap	Transparent lens cap. Polarization lens cap is optional.		
Light source	Spotlight white light. Spotlight red/blue/IR, and wide-angle white/red/blue light is optional.		
Indicator	Power indicator (PWR), network indicator (LNK), status indicator (STS), result indicator (OK/NG)		
Dimension	65.2 mm × 65.2 mm × 42 mm (2.6" × 2.6" × 1.7")		
Weight	Approx. 250 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		