MV-ID3013PM

1.3 MP Smart Code Reader

CE   FC   RoHS

Introduction

MV-ID3013PM smart code reader can read different types of codes with reading speed up to 84 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 light source.
- Supports polarized and non-polarized modes.
- Adopts 2 LED aiming lamps for easy installation and code aiming.
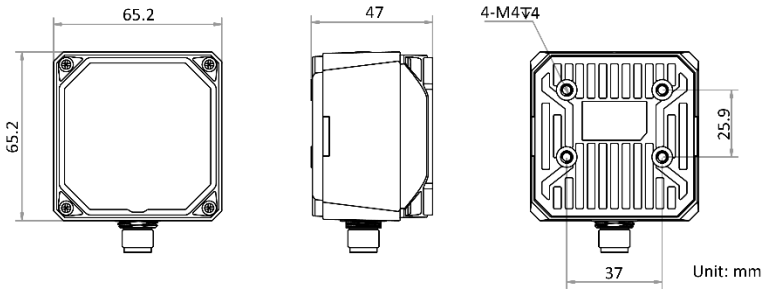- Indicators on device display device status and code reading results.

Applicable Industry

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

Available Model

6 mm focal length: MV-ID3013PM-06M-WBN
12 mm focal length: MV-ID3013PM-12M-WBN
14.8 mm focal length: MV-ID3013PM-15M-WBN

Dimension

65.2   65.2   47   4-M4▽4   25.9   37   Unit: mm

Specification

Model	MV-ID3013PM-06M-WBN	MV-ID3013PM-12M-WBN	MV-ID3013PM-15M-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	84 codes/sec		
Sensor type	CMOS, global shutter		
Pixel size	4 μm × 4 μm		
Sensor size	1/2.7"		
Resolution	1280 × 1024		
Exposure time	35 μs to 1 sec		
Gain	0 dB to 15 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	17-pin M12 connector provides power and I/O, including 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. 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, 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		