

# MV-ID3013PM

## 1.3 MP Smart Code Reader



### 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.

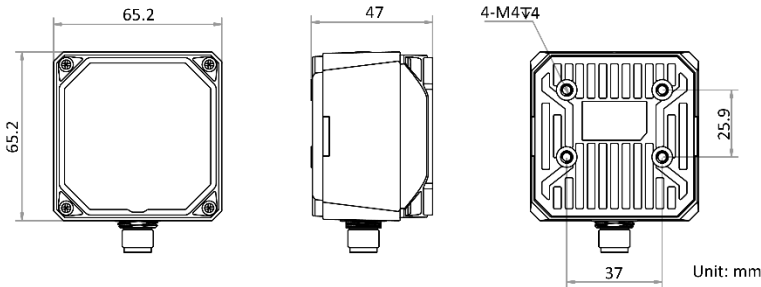
### Applicable Industry

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



# Specification

Model	MV-ID3013PM-06M-WBN	MV-ID3013PM-12M-WBN	MV-ID3013PM-15M-WBN
<b>Performance</b>			
<b>Symbologies</b>	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		
<b>Max. frame rate</b>	60 fps		
<b>Max. reading speed</b>	84 codes/sec		
<b>Sensor type</b>	CMOS, global shutter		
<b>Pixel size</b>	4 μm × 4 μm		
<b>Sensor size</b>	1/2.7"		
<b>Resolution</b>	1280 × 1024		
<b>Exposure time</b>	35 μs to 1 sec		
<b>Gain</b>	0 dB to 15 dB		
<b>Mono/color</b>	Mono		
<b>Communication protocol</b>	SmartSDK, TCP Client, TCP Server, Serial, FTP, Profinet, Ethernet/IP, MELSEC, ModBus, Fins, SLMP		
<b>Electrical feature</b>			
<b>Data interface</b>	Fast Ethernet		
<b>Digital I/O</b>	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.		
<b>Power supply</b>	24 VDC		
<b>Max. power consumption</b>	Approx. 20 W@24 VDC (light source enabled)		
<b>Mechanical</b>			
<b>Focal length</b>	6 mm (0.2")	12 mm (0.5")	14.8 mm (0.6")
<b>Lens mount</b>	M12-mount, mechanical autofocus supported.		
<b>Lens cap</b>	Half polarized front cover by default. Polarized and transparent ones are optional.		
<b>Light source</b>	White light by default. Red/blue/IR light is optional.		
<b>Indicator</b>	Power indicator (PWR), network indicator (LNK), status indicator (STS), result indicator (OK/NG)		
<b>Dimension</b>	65.2 mm × 65.2 mm × 47 mm (2.6" × 2.6" × 1.9")		
<b>Weight</b>	Approx. 280 g (0.6 lb.)		
<b>Ingress protection</b>	IP67 (under proper installation of waterproof lens cap)		
<b>Temperature</b>	Working temperature: 0 °C to 50 °C (32 °F to 122 °F) Storage temperature: -30 °C to 70 °C (-22 °F to 158 °F)		
<b>Humidity</b>	20% to 95% RH, non-condensing		
<b>General</b>			
<b>Client software</b>	IDMVS		
<b>Certification</b>	CE, FCC, RoHS		