

# MV-ID3016M

## 1.6 MP Smart Code Reader



### Introduction

MV-ID3016M smart code reader adopts Hikrobot's deep learning algorithm and can recognize and read different types of barcodes. It has good robustness and its max. frame rate reaches 20 fps.

### Key Feature

- Adopts CMOS sensor to acquire image data and provide high-quality image.
- Adopts built-in deep learning algorithm to read barcodes.
- Adopts multiple IO interfaces for input and output signals.
- Adopts OK/NG, PWR, STS and LNK indicators for displaying different statuses.
- Supports multiple communication protocols, including TCP, Serial, FTP, Profinet, etc.

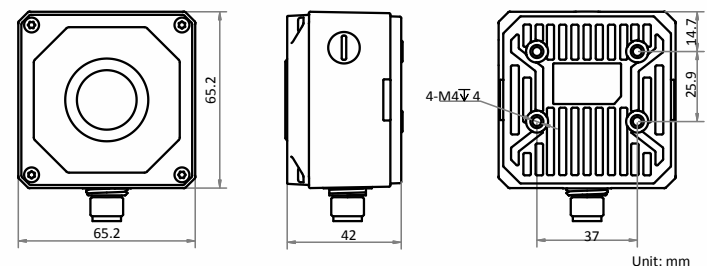
### Available Model

- 6 mm focal length: MV-ID3016M-06S-WBN
- 12.4 mm focal length: MV-ID3016M-12S-WBN
- 14.8 mm focal length: MV-ID3016M-15S-WBN

### Applicable Industry

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

### Dimension



Unit: mm

# Specification

Model	MV-ID3016M-06S-WBN	MV-ID3016M-12S-WBN	MV-ID3016M-15S-WBN
<b>Performance</b>			
<b>Symbologies</b>	1-dimensional codes: Code 128, Code 39 2-dimensional codes: QR, DM		
<b>Max. frame rate</b>	20 fps @1408 × 1024		
<b>Max. reading speed</b>	60 codes/s		
<b>Sensor type</b>	CMOS, global shutter		
<b>Pixel size</b>	3.45 μm x 3.45 μm		
<b>Sensor size</b>	1/2.9"		
<b>Resolution</b>	1408 × 1024		
<b>Exposure time</b>	16 μs to 1 s		
<b>Gain</b>	0 dB to 40 dB		
<b>Mono/color</b>	Mono		
<b>Communication protocol</b>	SmartSDK, TCP Client, TCP Server, Serial, FTP, Profinet		
<b>Electrical features</b>			
<b>Interface</b>	17-pin M12 interface provides power, Ethernet, digital IO, and serial port		
<b>Ethernet</b>	Fast Ethernet		
<b>Digital IO</b>	Non-isolated input x 3 (LineIn 0/1/2), non-isolated output x 3 (LineOut 0/1/2), RS-232 x 1. Device trigger via pressing button on top supported.		
<b>Power supply</b>	12 VDC to 24 VDC		
<b>Power consumption</b>	< 19.8 W@24 VDC		
<b>Structure</b>			
<b>Lens focal length</b>	6 mm (0.2")	12.4 mm (0.5")	14.8 mm (0.6")
<b>Lens mount</b>	M12-mount, manual focus supported		
<b>Lens cap</b>	Transparent lens cap. Polarization lens cap is optional		
<b>Light source</b>	Spotlight white light. Spotlight red or blue, wide-angle white or blue 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 x 65.2 mm x 42 mm (2.6" x 2.6" x 1.7")		
<b>Weight</b>	Approx. 240 g (0.5 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, without condensation		
<b>General</b>			
<b>Client software</b>	IDMVS		