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.
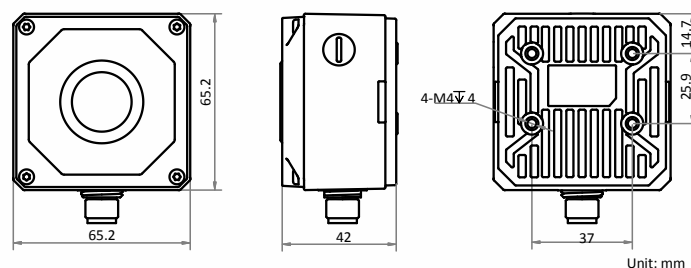- Supports multiple communication protocols, including TCP, Serial, FTP, Profinet, etc.

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

65.2
65.2
42
4-M4▽4
14.7
25.9
37

Unit: mm

Specification

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