

MV-ID3016PM

1.6 MP Smart Code Reader



Introduction

MV-ID3016PM 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 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

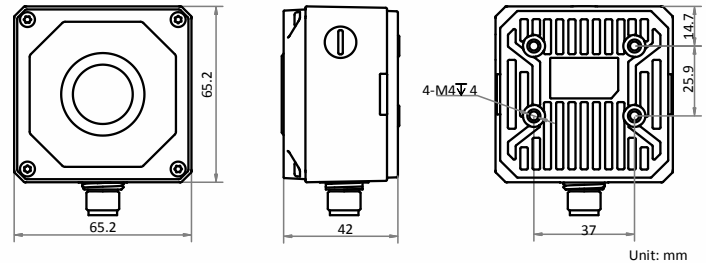
- 6 mm focal length with manual focus: MV-ID3016PM-06S-WBN
- 12 mm focal length with manual focus: MV-ID3016PM-12S-WBN
- 14.8 mm focal length with manual focus: MV-ID3016PM-15S-WBN
- 6 mm focal length with mechanical autofocus: MV-ID3016PM-06M-WBN
- 12 mm focal length with mechanical autofocus: MV-ID3016PM-12M-WBN
- 14.8 mm focal length with mechanical autofocus: MV-ID3016PM-15M-WBN

Applicable Industry

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

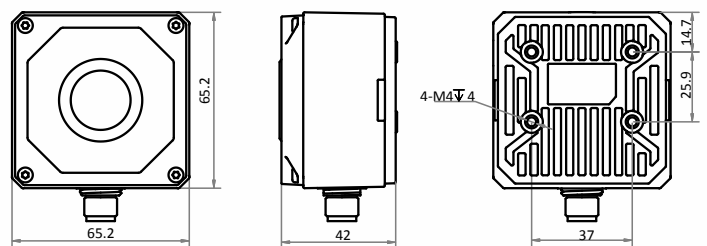
Dimension

Manual focus



Unit: mm

Mechanical autofocus



Unit: mm



Specification

Model	MV-ID3016PM-06*-WBN	MV-ID3016PM-12*-WBN	MV-ID3016PM-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	84 codes/sec		
Sensor type	CMOS, global shutter		
Pixel size	3.45 μm \times 3.45 μm		
Sensor size	1/2.9"		
Resolution	1408 \times 1024		
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) \times 3, non-isolated output (LineOut 0/1/2) \times 3, RS-232 input \times 1, and RS-232 output \times 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 \times 65.2 mm \times 42 mm (2.6" \times 2.6" \times 1.7")		
Weight	Approx. 250 g (0.6 lb.)		
Ingress protection	IP67 (under proper installation of waterproof lens cap)		
Temperature	Working temperature: 0 $^{\circ}\text{C}$ to 50 $^{\circ}\text{C}$ (32 $^{\circ}\text{F}$ to 122 $^{\circ}\text{F}$) Storage temperature: -30 $^{\circ}\text{C}$ to 70 $^{\circ}\text{C}$ (-22 $^{\circ}\text{F}$ to 158 $^{\circ}\text{F}$)		
Humidity	20% to 95% RH, non-condensing		
General			
Client software	IDMVS		
Certification	CE, FCC, RoHS, KC		

HIKROBOT

Hangzhou Hikrobot Technology Co., Ltd.
No.399 Danfeng Road, Binjiang District, Hangzhou 310051, China.
en.hikrobotics.com

Copyright Hikrobot

Hangzhou Hikrobot Technology Co., Ltd. All Rights Reserved. Hangzhou Hikrobot Technology does not tolerate any infringement. Any organization or individual may not imitate or reproduce in whole or in part of the content. The data herein is based on Hikrobot's internal evaluation. Actual data may vary depending on specific configuration and operating condition. The information herein is subject to change without notice. All the content has been checked conscientiously. Nevertheless, Hikrobot shall not be liable to damages resulting from errors, inconsistencies or omissions.