

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

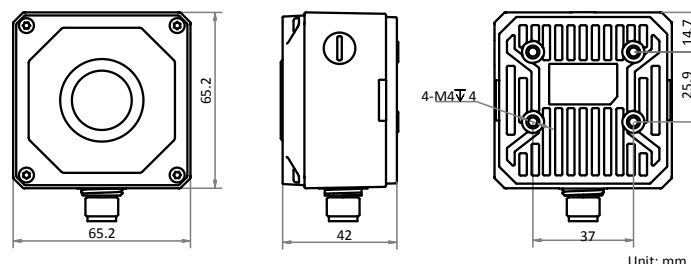
- 6 mm focal length with manual focus: MV-ID3016PM-06S-WBN
- 12 mm focal length with manual focus: MV-ID3016PM-12S-WBN
- 14.8 mm focal length with manual focus: MV-ID3016PM-15S-WBN
- 6 mm focal length with mechanical autofocus: MV-ID3016PM-06M-WBN
- 12 mm focal length with mechanical autofocus: MV-ID3016PM-12M-WBN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

Applicable Industry

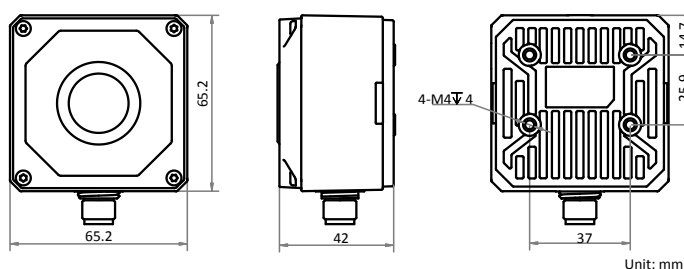
Consumer electronics, food and beverage, pharmaceutical, semiconductor, automobile, etc.

Dimension

Manual focus



Mechanical autofocus



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		