

RoHS

# **MV-ID2016M**

1.6 MP Smart Code Reader

Introduction

MV-ID2016M smart code reader can read different types of 1 dimensional and 2-dimensional codes, and its max. reading speed reaches 31 codes/sec (network device) and 29 codes/sec (USB device) respectively. It adopts deep learning algorithm to process images with good robustness, and can recognize various codes.

#### **Key Feature**

- Built-in deep learning algorithm to read codes with good robustness.
- Compact design and small in size.
- Adopts aviation connector for single cable wiring.
- Adopts LED aiming light to help aim codes.
- Adopts focus knob for adjusting focusing manually.
- Adopts multiple IO interfaces and plug-in power interface.
- Supports multiple communication protocols, including TCP, Serial, FTP, Profinet, etc.

### **Applicable Industry**

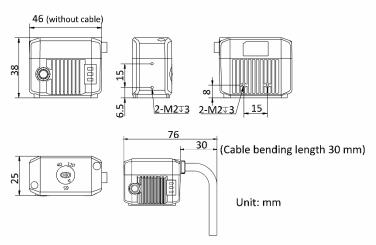
Consumer electronics, food and beverage, pharmaceutical, semiconductor, new energy, etc.

#### **Available Model**

CE

- Red light source with network interface: MV-ID2016M-06S-RBN
- Blue light source with network interface: MV-ID2016M-06S-BBN
- White light source with network interface: MV-ID2016M-06S-WBN
- Red light source with USB interface: MV-ID2016M-06S-RBN-U
- Blue light source with USB interface: MV-ID2016M-06S-BBN-U
- White light source with USB interface: MV-ID2016M-06S-WBN-U

#### Dimension





## Specification

Model	MV-ID2016M-06S-*BN	MV-ID2016M-06S-*BN-U	
Performance			
Symbologies	1-dimensional codes: Code 39, Code 93, Code 128, ITF 14, ITF 25, CodaBar, EAN, UPCA, UPCE 2-dimensional codes: QR Code, Data Matrix		
Max. frame rate	60 fps		
Max. reading speed	31 codes/sec	29 codes/sec	
Sensor type	CMOS, global shutter	25 00003/300	
Pixel size	3.45 μm × 3.45 μm		
Sensor size	1/2.9"		
Resolution	1408 × 1024		
Exposure time	16 µs to 1 sec		
Gain	0 dB to 15 dB		
Mono/color	Mono		
Communication	SmartSDK, TCP Client, Serial, FTP, HTTP, TCP Server,		
protocol	Profinet, MELSEC, Ethernet/IP, ModBus, UDP, Fins,	SmartSDK, USB	
	SLMP		
Optics			
Focal length	6 mm (0.2")		
Working distance	40 mm to 120 mm (1.6" to 4.7"), adjusting focus manually supported		
Ambient illumination	0 lux to 50000 lux		
Light source	Red LED, blue LED, white LED		
Aiming system	Green LED		
Electrical feature	Fast Ethornat		
Data interface	Fast Ethernet	USB3.0	
Digital I/O	17-pin M12 connector provides power and I/O,		
	including configurable bi-directional none-isolated $I/O \times 4$ : input (Line 0/1) and output (Line 2/3) by	17-pin M12 connector provides data transmission.	
		Device trigger via pressing button on side	
	default, RS-232 $\times$ 1. Device trigger via pressing button on side supported.	supported.	
Dowor cumply	12 VDC to 24 VDC	5 VDC (USB3.0 provides power supply)	
Power supply Max. power		Approx. 4.6 W@5 VDC	
consumption	Approx. 10.6 W@24 VDC	(USB3.0 provides power supply)	
Mechanical			
Indicator Power indicator (PWR), network indicator (LNK), and status indicator (STS).			
Dimension	46 mm × 38 mm × 25 mm (1.8" × 1.5" × 1.0")		
Weight	Approx. 160 g (0.35 lb.)		
Ingress protection	IP65		
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, non-condensing		
General	•		
Client software	IDMVS		
Certification			
	CE, FCC, RoHS		

#### **HIKROBOT**

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