MV-ID2016M-06T/10T/16T

1.6 MP Industrial Code Reader

Introduction

MV-ID2016M-06T/10T/16T industrial code reader can read different types of 1D and 2D codes, and its max. reading speed reaches 45 codes/sec. It adopts high-speed focus adjustment technology for fast focus adjustment, and is a good selection for the mixed line production.

Key Feature

- Supports high-speed focus adjustment for switching working distance.
- Compact design and small in size, and can be installed in narrow space.
- Adopts LED aiming light to aim targets.
- Adopts multiple IO interfaces and plug-in power interface for easy wiring.
- Supports multiple communication protocols, including TCP, Serial, FTP, etc.

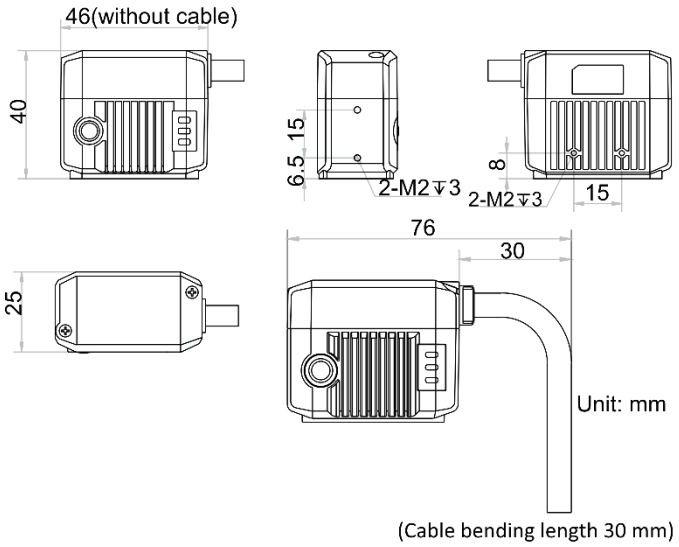
Available Model

- MV-ID2016M-06T-RBP
- MV-ID2016M-10T-RBP
- MV-ID2016M-16T-RBN

Applicable Industry

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

Dimension



Specification

Model	MV-ID2016M-06T-RBP	MV-ID2016M-10T-RBP	MV-ID2016M-16T-RBN
Performance			
Symbologies	1D codes: Code 39, Code 93, Code 128, ITF 14, ITF 25, CodaBar, EAN 8, EAN 13, UPCA, UPCE		
	2D codes: QR Code, Data Matrix		
Max. frame rate	60 fps		
Max. reading speed	45 codes/sec		
Sensor type	CMOS, global shutter		
Pixel size	3.45 μm × 3.45 μm		
Sensor size	1/2.9"		
Resolution	1408 × 1024		
Exposure time	16 μs to 2.5 sec		
Gain	0 dB to 40 dB		
Mono/color	Mono		
Communication protocol	SmartSDK, TCP Client, Serial, FTP, TCP Server, Profinet, MELSEC, Ethernet/IP, ModBus, UDP, Fins, SLMP		
Optics			
Focal length	6.7 mm	10 mm	16 mm
Lens mount	M12-mount		
Working distance	70 mm to 160 mm	95 mm to 400 mm	100 mm to 400 mm
Ambient illumination	0 lux to 50000 lux		
Light source	Red color		
Aiming system	Orange LED		
Electrical feature			
Data interface	Fast Ethernet		
Digital I/O	17-pin M12 connector provides power and I/O, including configurable bi-directional none-isolated I/O × 2 (Line 0/1), none-isolated input (Line 2) × 1, none-isolated output (Line 3) × 1, and RS-232 × 1. Device trigger via pressing trigger button supported.		
Power supply	12 VDC to 24 VDC		
Max. power consumption	Approx. 11 W@12 VDC		
Mechanical			
Indicator	Power indicator (PWR), network indicator (LNK), and status indicator (STS).		
Dimension	46 mm × 40 mm × 25 mm (1.81" × 1.57" × 0.98")		
Weight	Approx. 135 g (0.30 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, RoHS, KC		

Detection Range

Focal Length (mm)	Working Distance (mm)	FoV		1D Single Pixel Accuracy (mm)	2D Single Pixel Accuracy (mm)
		H (mm)	V (mm)		
6.7	120	87	63	0.06	0.15
10	120	58	42	0.04	0.1
16	120	36	26	0.026	0.065