

MV-ID3018M-16PT

1.6 MP Industrial Code Reader



RoHS



Introduction

MV-ID3018M-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 Server, Serial, FTP, TCP Client, Profinet, Ethernet/IP, MELSEC/SLMP, Modbus, UDP, and Fins.

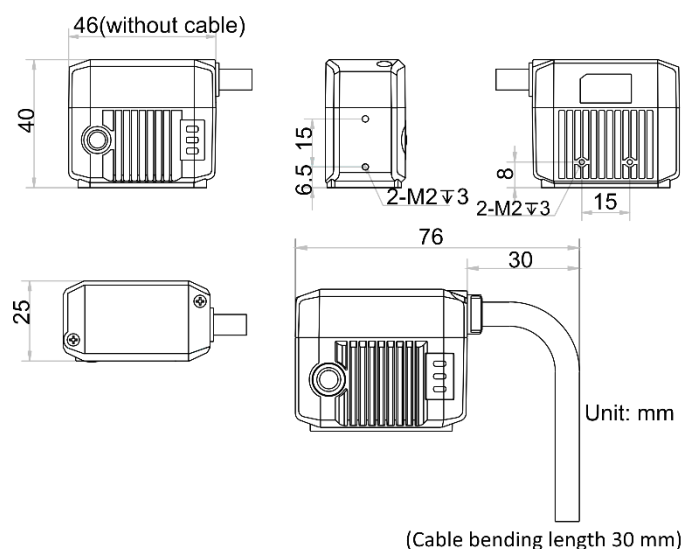
Available Model

- MV-ID3018M-16PT

Applicable Industry

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

Dimension



Specification

Model	MV-ID3018M-16PT		
Performance			
Symbologies	1-dimensional codes: Code 39, Code 93, Code 128 (include GS1-128), ITF 14, ITF 25, CodaBar, EAN 8, EAN 13, UPCA, UPCE, Matrix 25, MSI, China Post, Code 11, Industrial 2of5, Pharmacode		
	2-dimensional codes: QR Code (include GS1-QR), Data Matrix (include GS1-DM), MicroQR, AZTEC, HanXin		
	Stacked codes: PDF 417		
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 20000 μs		
Gain	0 dB to 15 dB		
Mono/color	Mono		
Communication protocol	TCP Server, Serial, FTP, TCP Client, Profinet, Ethernet/IP, MELSEC/SLMP, Modbus, UDP, and Fins		
Electrical feature			
Data interface	Fast Ethernet (100 Mbit/s)		
Digital I/O	17-pin M12 connector provides power and I/O, including non-isolated input (Line 2) × 1, non-isolated output (Line 3) × 1, configurable bi-directional non-isolated I/O × 2 (Line 0/1), and RS-232 × 1. Supports device triggering via pressing button on side.		
Power supply	12 VDC to 24 VDC		
Max. power consumption	Approx. 4 W @ 12 VDC		
Mechanical			
Focal length	16 mm		
Lens mount	M12-mount		
Working distance	100 mm to 400 mm		
Ambient illumination	0 lux to 50000 lux		
Light source	Red, polarized		
Aiming system	Orange LED		
Indicator	Power indicator (PWR), network indicator (LNK), and status indicator (STS).		
Dimension	46 mm × 40 mm × 25 mm (1.8" × 1.6" × 1.0")		
Weight	Approx. 135 g (0.3 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% RH to 95% RH (no condensation)		
General			
Client software	IDMVS		
Certification	CE, RoHS, KC		