MV-ID2010M-05M-WLR

1 MP Smart Code Reader

CE   FC   RoHS

Introduction

MV-ID2010M-05M-WLR smart code reader can read different types of 1-dimensional and 2-dimensional codes with reading speed up to 36 codes/sec. 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 cross laser to help aim codes.
- Adopts multiple IO interfaces and plug-in power interface.
- Supports multiple communication protocols, including TCP, Serial, FTP, HTTP, etc.
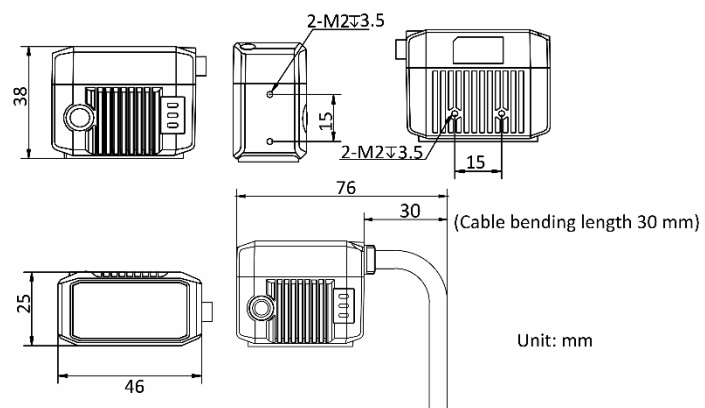
Available Model

MV-ID2010M-05M-WLR

Applicable Industry

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

Dimension

2-M2↧3.5
2-M2↧3.5
38
15
76
30
15
25
46
(Cable bending length 30 mm)
Unit: mm

Specification

Model	MV-ID2010M-05M-WLR
Performance	
Symbologies	1-dimensional codes: Code 39, Code 93, Code 128, ITF25, CodaBar, EAN
	2-dimensional codes: QR Code, Data Matrix
Max. frame rate	20 fps
Max. reading speed	36 codes/sec
Sensor type	CMOS, global shutter
Pixel size	3 µm × 3 µm
Sensor size	1/4"
Resolution	1280 × 800
Exposure time	768 µs to 1400 µs
Gain	1 dB to 15 dB
Mono/color	Mono
Communication protocol	SmartSDK, TCP Client, TCP Server, Serial, FTP, HTTP
Optics	
Focal length	5 mm (0.2")
Ambient illumination	0 lux to 50000 lux
Light source	White LED, wavelength 380 nm to 780 nm
Aiming system	Cross laser, wavelength 650 nm
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 × 4: input (Line 0/1) and output (Line 2/3) by default, RS-232 × 1. Device trigger via pressing button on side supported.
Power supply	12 VDC to 24 VDC
Max. power consumption	Approx. 1.6 W@24 VDC
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. 154 g (0.34 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