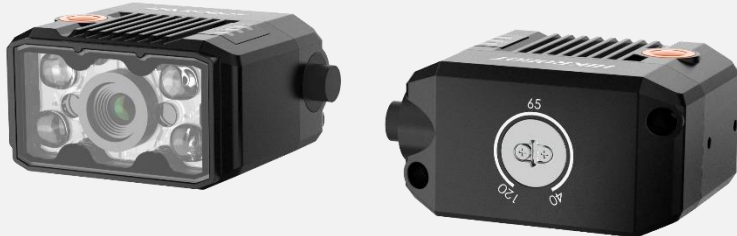




MV-ID2004M

0.4 MP Smart Code Reader



Introduction

MV-ID2004M smart code reader can read different types of 1-dimensional and 2-dimensional codes, and its max. reading speed reaches 41 codes/sec (network device) and 38 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.

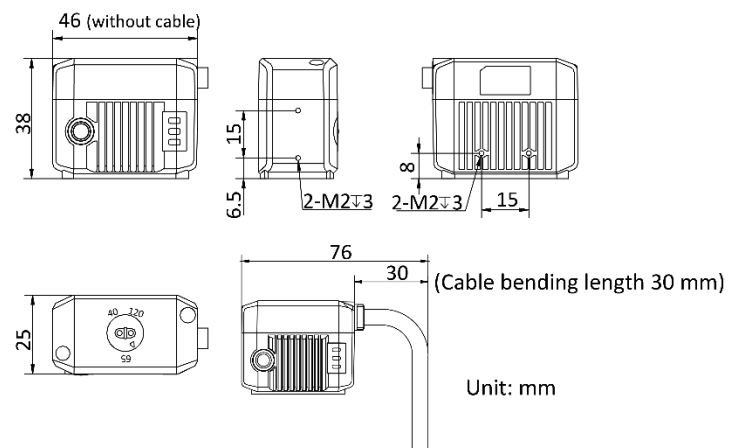
Applicable Industry

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

Available Model

- Red light source with network interface: MV-ID2004M-06S-RBN
- Blue light source with network interface: MV-ID2004M-06S-BBN
- White light source with network interface: MV-ID2004M-06S-WBN
- Red light source with USB interface: MV-ID2004M-06S-RBN-U
- Blue light source with USB interface: MV-ID2004M-06S-BBN-U
- White light source with USB interface: MV-ID2004M-06S-WBN-U

Dimension

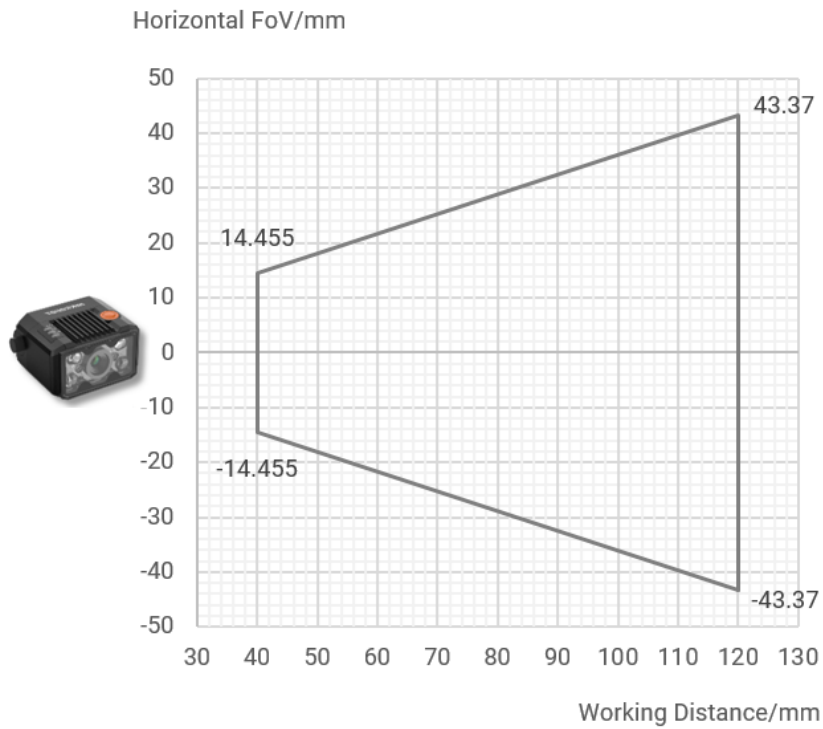


Specification

| Model | MV-ID2004M-06S-*BN | MV-ID2004M-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 | 41 codes/sec | 38 codes/sec |
| Sensor type | CMOS, global shutter | |
| Pixel size | 6.9 μm × 6.9 μm | |
| Sensor size | 1/2.9" | |
| Resolution | 704 × 540 | |
| Exposure time | 16 μs to 1 sec | |
| Gain | 0 dB to 15 dB | |
| Mono/color | Mono | |
| Communication protocol | SmartSDK, TCP Client, Serial, FTP, TCP Server, Profinet, MELSEC, Ethernet/IP, ModBus, UDP, Fins, SLMP | SmartSDK, USB |
| 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 | | |
| Data interface | Fast Ethernet | USB3.0 |
| Digital I/O | 17-pin M12 connector provides power and I/O, including configurable bi-directional non-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. | 17-pin M12 connector provides data transmission. Device trigger via pressing button on side supported. |
| Power supply | 12 VDC to 24 VDC | 5 VDC (USB3.0 provides power supply) |
| Max. power consumption | Approx. 10.6 W@24 VDC | Approx. 4.6 W@5 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, RoHS | |

Detection Range

| Working Distance | FoV | | 1D Single Pixel Accuracy (mm) | 2D Single Pixel Accuracy (mm) |
|------------------|--------|--------|-------------------------------|-------------------------------|
| | H (mm) | V (mm) | | |
| 40 | 28.91 | 22.18 | 0.041 | 0.123 |
| 80 | 57.83 | 44.36 | 0.082 | 0.246 |
| 120 | 86.74 | 66.54 | 0.123 | 0.370 |



Distribution Partner:



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