

MV-ID3004PM

0.4 MP Smart Code Reader



Introduction

MV-ID3004PM smart code reader can read different types of codes with reading speed up to 87 codes/sec. It adopts Hikrobot's deep learning algorithm to process images with good robustness, and can recognize various complex codes.

Key Feature

- Adopts built-in deep learning algorithm to read codes with good robustness.
- Adopts multiple IO interfaces for input and output signals.
- Supports multiple communication protocols, including TCP, Serial, FTP, PROFINET, HTTP, etc.
- Adopts CMOS sensor to acquire image data and provide high-quality image.
- Supports RS-232 serial port and indicators displaying device status.

Available Model

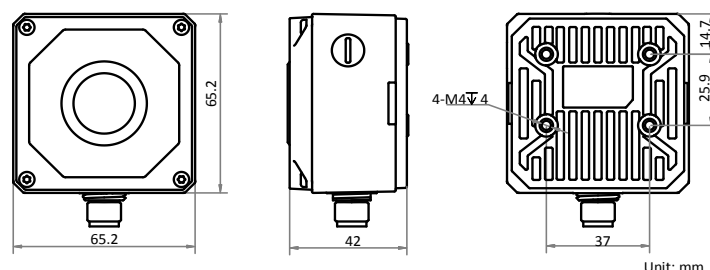
- 6 mm focal length with manual focus: MV-ID3004PM-06S-WBN
- 12 mm focal length with manual focus: MV-ID3004PM-12S-WBN
- 14.8 mm focal length with manual focus: MV-ID3004PM-15S-WBN
- 6 mm focal length with mechanical autofocus: MV-ID3004PM-06M-WBN
- 12 mm focal length with mechanical autofocus: MV-ID3004PM-12M-WBN
- 14.8 mm focal length with mechanical autofocus: MV-ID3004PM-15M-WBN

Applicable Industry

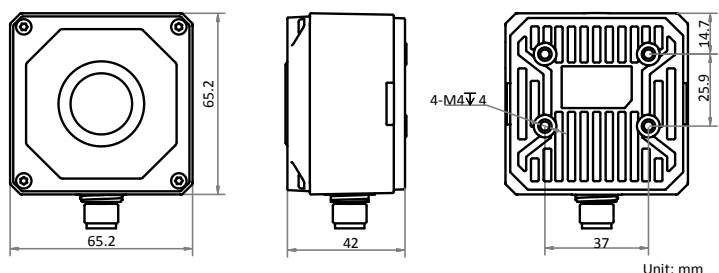
Consumer electronics, food and beverage, pharmaceutical, semiconductor, automobile, etc.

Dimension

Manual focus



Mechanical autofocus



Specification

| Model | MV-ID3004PM-06*-WBN | MV-ID3004PM-12*-WBN | MV-ID3004PM-15*-WBN |
|-------------------------------|---|---------------------|---------------------|
| Performance | | | |
| Symbologies | 1-dimensional codes: Code 39, Code 93, Code 128, ITF 25, CodaBar, EAN, MATRIX 25, MSI, Industrial 25, China Post, Code 11 | | |
| | 2-dimensional codes: QR Code, Data Matrix | | |
| Max. frame rate | 60 fps | | |
| Max. reading speed | 87 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 40 dB | | |
| Mono/color | Mono | | |
| Communication protocol | SmartSDK, TCP Client, TCP Server, UDP, Serial, FTP, HTTP, PROFINET, Ethernet/IP, MELSEC, ModBus | | |
| Electrical feature | | | |
| Interface | 17-pin M12 interface provides power, Ethernet, I/O, and serial port. | | |
| Ethernet | Fast Ethernet | | |
| Digital I/O | Non-isolated input (LineIn 0/1/2) × 3, non-isolated output (LineOut 0/1/2) × 3, RS-232 input × 1, and RS-232 output × 1. Device trigger via pressing button on top supported. | | |
| Power supply | 24 VDC | | |
| Max. power consumption | 20 W@24 VDC (light source enabled) | | |
| Mechanical | | | |
| Focal length | 6 mm (0.2") | 12 mm (0.5") | 14.8 mm (0.6") |
| Lens mount | M12-mount, manual focus or mechanical autofocus. | | |
| Lens cap | Transparent lens cap. Polarization lens cap is optional. | | |
| Light source | Spotlight white light. Spotlight red/blue/IR, and wide-angle white/red/blue light is optional. | | |
| Indicator | Power indicator (PWR), network indicator (LNK), status indicator (STS), result indicator (OK/NG) | | |
| Dimension | 65.2 mm × 65.2 mm × 42 mm (2.6" × 2.6" × 1.7") | | |
| Weight | Approx. 250 g (0.6 lb.) | | |
| Ingress protection | IP67 (under proper installation of waterproof lens cap) | | |
| 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, KC | | |