

# MV-ID5016M-06S-WBN

1.6 MP Smart Code Reader



## Introduction

With mechanical autofocus lens, MV-ID5016M-06S-WBN smart code reader can read different types of 1-dimensional and 2-dimensional codes with reading speed up to 90 codes/s. It adopts Hikrobot's deep learning algorithm to process image with good robustness, and can recognize various complex barcodes.

## Key Feature

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

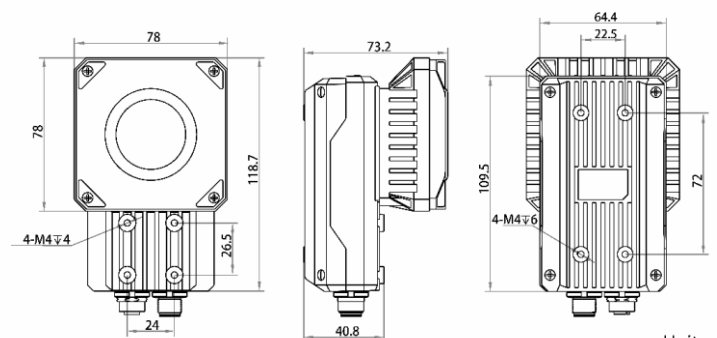
## Available Model

Smart code reader with 6 mm focal length:  
MV-ID5016M-06S-WBN

## Applicable Industry

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

## Dimension



Unit: mm



# Specification

<b>Model</b>	<b>MV-ID5016M-06S-WBN</b>
<b>Performance</b>	
<b>Symbologies</b>	1-dimensional codes: Code 39, Code 93, Code 128, ITF25, CodaBar, EAN 2-dimensional codes: QR, DM
<b>Max. frame rate</b>	60 fps @1408 × 1024
<b>Max. reading speed</b>	90 codes/s
<b>Sensor type</b>	CMOS, global shutter
<b>Pixel size</b>	3.45 μm x 3.45 μm
<b>Sensor size</b>	1/2.9"
<b>Resolution</b>	1408 × 1024
<b>Exposure time</b>	16 μs to 1 s
<b>Gain</b>	0 dB to 40 dB
<b>Mono/color</b>	Mono
<b>Electrical features</b>	
<b>Data interface</b>	Gigabit Ethernet interface
<b>Communication protocol</b>	SmartSDK, TCP Client, TCP Server, Serial, FTP, HTTP
<b>Digital IO</b>	12-pin M12 connector provides power and I/O, including opto-isolated input (LineIn 0/1/2) x 3, opto-isolated output (LineOut 0/1/2) x 3, RS-232 input x 1, and RS-232 output x 1.
<b>Power supply</b>	24 VDC
<b>Power consumption</b>	Approx. 48 W@24 VDC (light source is enabled)
<b>Structure</b>	
<b>Lens focal length</b>	6 mm (0.2")
<b>Lens mount</b>	M12-mount, mechanical autofocus lens.
<b>Lens cap</b>	Transparent lens cap. Polarization lens cap is optional.
<b>Light source</b>	White light. Red or blue light is optional.
<b>Indicator</b>	Power indicator (PWR), network indicator (LNK/ACT), and user indicator (U1/U2).
<b>Dimension</b>	118.7 mm x 78 mm x 73.2 mm (4.7" x 3.1" x 2.9")
<b>Weight</b>	Approx. 520 g (1.1 lb.)
<b>Ingress protection</b>	IP67 (under proper installation of waterproof lens cap)
<b>Temperature</b>	Working temperature: 0 °C to 50 °C (32 °F to 122 °F) Storage temperature: -30 °C to 70 °C (-22 °F to 158 °F)
<b>Humidity</b>	20% to 95% RH, without condensation
<b>General</b>	
<b>Client software</b>	IDMVS
<b>Certifications</b>	CE, FCC, RoHS

**HIKROBOT**

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