

MVGL-ID5144-06SWN

1.6 MP Smart Code Reader



Introduction

With mechanical autofocus lens, MVGL-ID5144-06SWN 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.
- 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.

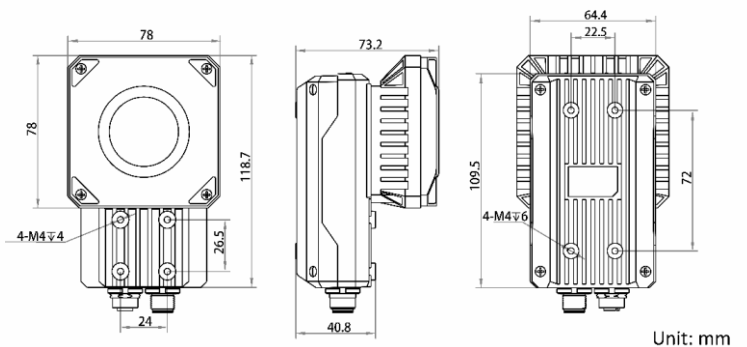
Available Model

Smart code reader with 6 mm focal length:
MVGL-ID5144-06SWN

Applicable Industry

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

Dimension



Specification

Model	MVGL-ID5144-06SWN
Performance	
Symbologies	1-dimensional codes: Code 39, Code 93, Code 128, ITF25, CodaBar, EAN 2-dimensional codes: QR, Data Matrix
Max. frame rate	60 fps
Max. reading speed	90 codes/sec
Sensor type	CMOS, global shutter
Pixel size	3.45 μm \times 3.45 μm
Sensor size	1/2.9"
Resolution	1408 \times 1024
Exposure time	16 μs to 1 sec
Gain	0 dB to 40 dB
Mono/color	Mono
Communication protocol	SmartSDK, TCP Client, TCP Server, Serial, FTP, HTTP, UDP
Electrical features	
Data interface	Gigabit Ethernet
Digital IO	12-pin M12 connector provides power and I/O, including opto-isolated input (LineIn 0/1/2) \times 3, opto-isolated output (LineOut 0/1/2) \times 3, RS-232 input \times 1, and RS-232 output \times 1.
Power supply	24 VDC
Power consumption	Approx. 48 W@24 VDC (light source is enabled)
Mechanical	
Lens focal length	6 mm (0.2")
Lens mount	M12-mount, mechanical autofocus lens.
Lens cap	Transparent lens cap. Polarization lens cap is optional.
Light source	White light. Red or blue light is optional.
Indicator	Power indicator (PWR), network indicator (LNK/ACT), and user indicator (U1/U2).
Dimension	118.7 mm \times 78 mm \times 73.2 mm (4.7" \times 3.1" \times 2.9")
Weight	Approx. 520 g (1.1 lb.)
Ingress protection	IP67 (under proper installation of waterproof lens cap)
Temperature	Working temperature: 0 $^{\circ}\text{C}$ to 50 $^{\circ}\text{C}$ (32 $^{\circ}\text{F}$ to 122 $^{\circ}\text{F}$) Storage temperature: -30 $^{\circ}\text{C}$ to 70 $^{\circ}\text{C}$ (-22 $^{\circ}\text{F}$ to 158 $^{\circ}\text{F}$)
Humidity	20% to 95% RH, non-condensing
General	
Client software	IDMVS
Certifications	CE, FCC

HIKROBOT

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