MV-IDH7000B

1 MP Wireless Handheld Code Reader

CE FC

Introduction

MV-IDH7000B series wireless handheld code reader adopts code reading algorithm to provide good decoding capability for DPM. It can read different types of one-dimensional and two-dimensional codes, and output codes rapidly. It adopts illumination system to provide direct lighting and diffused reflection lighting. With adaptive smart bases, the device can realize charging and data communication.

Key Feature

- Adopts code reading algorithm to provide good decoding capability.
- Provides good robustness to read codes with spots, defects and low contrast radio.
- Adopts Bluetooth 5.0 wireless technology to provide convenient and efficient operations.
- With smart bases, parameter configuration and device management via IDMVS client software are supported.
- Adopts 3150 mAh battery to provide long battery life.
- Adopts illumination system to provide direct lighting and diffused reflection lighting.
- Supports IP65 and drop height of 1.8 m.
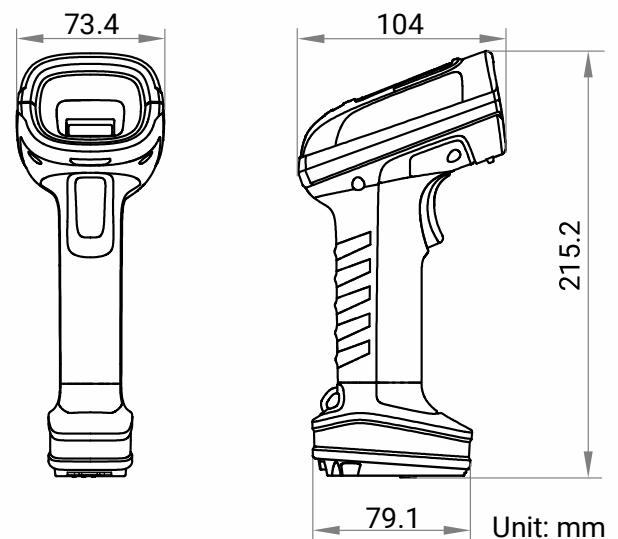
Available Model

MV-IDH7010B-07-NR

Applicable Industry

PCB, new energy, consumer electronics, semiconductor, automobile parts, etc.

Accessories

- Smart base with network interface: MV-IDA-H70-IBASE-01L
- Smart base with USB interface: MV-IDA-H70-IBASE-01U

Dimension

73.4
104
215.2
79.1
Unit: mm

Specification

Model	MV-IDH7010B-07-NR
Performance	
Symbologies	1-dimensional codes: Code 39, Code 93, Code 128, CodaBar, EAN 8, EAN 13, ITF 14, ITF 25, UPCA, UPCE
	2-dimensional codes: QR Code, Data Matrix
Min. accuracy	3 mil
Max. frame rate	50 fps
Sensor type	CMOS, global shutter
Pixel size	3 μm × 3 μm
Sensor size	1/4"
Resolution	1280 × 800
Depth of field*	Code 39 (3 mil): 15 mm to 60 mm, Code 39 (5 mil): 5 mm to 80 mm, Data Matrix (5 mil): 10 mm to 70 mm, Data Matrix (10 mil): 0 mm to 110 mm, QR Code (5 mil): 10 mm to 70 mm
Field of view	Horizontal 31°, vertical 20°
Detection angle	Tilt angle ± 60°, skew angle ± 60°, rotation angle 360°
Symbol contrast	20%
Wireless communication	
Bluetooth	BT 5.0, 2.4 GHz to 2.4835 GHz, BLE
Wireless range	100 m (open range)
Electrical feature	
Battery	3150 mAh, lithium battery
Charging time	Adapter charging: 4 h, USB charging: 8 h
Number of scan	26000 times (full charging)
Power supply	3.8 VDC (battery provides power)
Max. power consumption	Standby mode: 1.1 W@3.8 VDC, working mode: 6.4 W@3.8 VDC, sleep mode: 0.8 W@3.8 VDC
Mechanical	
Focal length	6.7 mm
Lens mount	M5.8-mount
Ambient illumination	0 lux to 100000 lux
Light source	Direct: white LED; diffused reflection: red LED
Aiming system	Cross laser aiming
Prompt	LED indicator, buzzer, vibrator
Dimension	73.4 mm × 104 mm × 215.2 mm (2.9" × 4.1" × 8.5")
Weight	Approx. 410 g (0.9 lb.)
Ingress protection	IP65
Temperature	Working temperature: -20 °C to 50 °C (-4 °F to 122 °F), storage temperature: -30 °C to 60 °C (-22 °F to 140 °F), charging temperature: 0 °C to 45 °C (32 °F to 113 °F)
Humidity	20% to 95% RH, non-condensing
Drop height	1.8 m (70.9")

Specification

General	
Client software	IDMVS
Certification	CE, FCC

(Test condition: Environment temperature=25 °C (77 °F), ambient illumination=250 lux filament lamp, Hikrobot's test symbologies are used.)