MV-IDH2003

0.3 MP Wired Handheld Code Reader

CE   KC   RoHS

Introduction

MV-IDH2003 wired handheld code reader adopts code reading algorithm and can read different types of one-dimensional and two-dimensional codes, and output results rapidly. It has good decoding capability for codes with spots, defects and low contrast radio, and DPM code.

Key Feature

- Adopts code reading algorithm to read different types of one-dimensional and two-dimensional codes.
- Provides good robustness to read codes with spots, defects and low contrast radio.
- Supports multiple output modes, including USB-HID, USB-CDC, RS232.
- Supports displaying device status via buzzer and indicator.
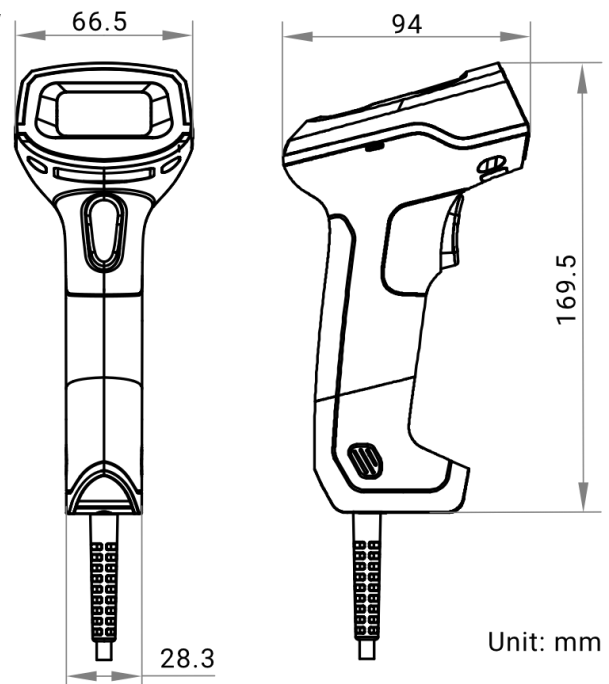- Easy to replace components.

Applicable Industry

Intelligent manufacturing, retail, logistics, medical treatment, enterprises and institutions, etc.

Available Model

MV-IDH2003-03S-W2U

Dimension

66.5   94   169.5   28.3   Unit: mm

Specification

Model	MV-IDH2003-03S-W2U
Performance	
Symbologies	1-dimensional codes: Code 39, Code 93, Code 128, CodaBar, EAN 8, EAN 13, ITF 14, ITF 25, UPCA, and UPCE
	2-dimensional codes: QR Code, Data Matrix, Micro QR Code, and Aztec
	Stacked codes: PDF417
Min. accuracy	4 mil
Max. frame rate	50 fps
Sensor type	CMOS, global shutter
Pixel size	3.74 µm × 3.74 µm
Sensor size	1/6"
Resolution	640 × 480
Depth of field*	EAN 13 (13 mil) 65 mm to 250 mm, Code 39 (5 mil): 40 mm to 140 mm
	Data Matrix (10 mil): 40 mm to 140 mm, QR Code (15 mil): 35 mil to 200 mm
Field of view	Horizontal 42°, vertical 32°
Detection angle	Tilt angle ± 60°, skew angle ± 60°, rotation angle 360°
Symbol contrast	20%
Communication protocol	SmartSDK, USB (HID/CDC)
Electrical feature	
Data interface	USB2.0
Power supply	5 VDC
Max. power consumption	2.5 W@5 VDC
Mechanical	
Focal length	3.1 mm
Lens mount	M5.0-mount
Ambient illumination	0 lux to 100000 lux
Light source	Green LED
Aiming system	Orange LED
Prompt	LED indicator, buzzer
Dimension	66.5 mm × 94 mm × 169.5 mm (2.6" × 3.7" × 6.7")
Weight	Approx. 160 g (0.4 lb.)
Ingress protection	IP42
Temperature	Working temperature: -20 °C to 55 °C (-4 °F to 131 °F)
	storage temperature: -30 °C to 70 °C (-22°F to 158 °F)
Humidity	5% to 95% RH, non-condensing
Drop height	1.5 m (59.1"), 50 times
General	
Client software	IDMVS
Certification	CE, KC, RoHS

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