

MV-IDH2000P

Wired Handheld Code Reader



Introduction

MV-IDH2000P wired handheld code reader decodes different types of 1D and 2D codes rapidly. With the built-in intelligent code reading algorithm, it can easily decode codes with spots, defects and low contrast ratio, and entry level DPM codes. It also supports switching to white light, red light, or blue light, and supports polling of three-color light source, providing greater scene adaptability and enhanced code reading performance.

Available Model

- Standard distance:
MV-IDH2000P/13SR/05RN/U
- Near distance:
MV-IDH2000P/13NR/05RN/U

Applicable Industry

Intelligent manufacturing, retail, logistics, medical treatment, enterprise and public institutions, etc.

Key Feature

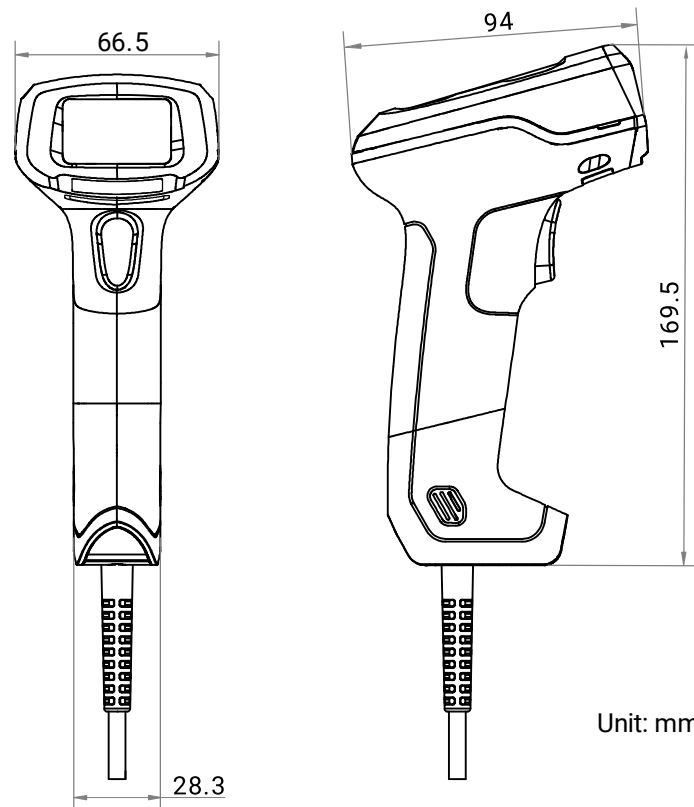
- Built-in code reading algorithm for decoding different types of 1D codes and 2D codes.
- Provides good robustness to read codes with spots, defects and low contrast ratio.
- Supports switching to white light, red light, or blue light, and supports polling of three-color light source, providing greater scene adaptability and enhanced code reading performance.
- Supports multiple output modes, such as USB-HID, USB-CDC, and RS-232.
- Easy to replace components.
- IP42 and drop height of 1.8 m.
- Supports displaying device status via buzzer and indicator.

Specification

Model	MV-IDH2000P/13NR/05RN/U	MV-IDH2000P/13SR/05RN/U
Performance		
Symbologies	1D codes: Code 39, Code 93, Code 128, GS1-Code128, CodaBar, EAN 8, EAN 13, ISBN, ISSN, ITF 25, ITF 14, UPCA, UPCE	
	2D codes: QR Code, Data Matrix, MicroQR, Aztec	
	Stacked code: PDF417	
Min. accuracy	1D codes: 3 mil 2D codes: 4 mil	1D codes: 3 mil 2D codes: 5 mil
Sensor type	CMOS	
Resolution	1280 × 1024	
Depth of field*	Code 128 (3 mil): 30 mm to 105 mm Code 128 (10 mil): 20 mm to 200 mm Data Matrix (5 mil): 40 mm to 80 mm QR Code (10 mil): 20 mm to 135 mm QR Code (20 mil): 20 mm to 195 mm	Code 128 (3 mil): 70 mm to 155 mm Code 128 (10 mil): 30 mm to 430 mm QR Code (10 mil): 45 mm to 230 mm QR Code (15 mil): 20 mm to 350 mm QR Code (20 mil): 20 mm to 450 mm
Field of view	Horizontal 39°, vertical 29°	
Detection angle	Tilt angle ± 65°, skew angle ± 65°, rotation angle 360°	
Symbol contrast	20%	
Communication protocol	SmartSDK, Serial, USB (HID/CDC)	
Electrical feature		
Data interface	USB 2.0	
Power supply	5 VDC	
Current consumption	0.9 A (max.), 0.5 A (typical)	
Mechanical		
Ambient illumination	0 lux to 100000 lux	
Light source	White LED, red LED, blue LED	
Aiming system	Cross laser aiming	
Prompt	LED indicator, buzzer, vibrator	
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: -10 °C to 50 °C (14 °F to 122 °F) Storage temperature: -20 °C to 60 °C (-4 °F to 140 °F)	
Humidity	5% RH to 95% RH (no condensation)	
Drop height	1.8 m	
Laser		
Laser safety class	Laser 2	
Wavelength	650 nm	
Pulse width	15 ms	
Maximum power	1 mW	
General		
Client software	IDMVS	
Certification	CE, KC	

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

Dimension



Unit: mm