

RS-B50

2D Industrial handheld Wired Barcode Scanner

The **Raywell 2D industrial barcode scanner** combines **comfort and performance** with its ergonomic structure and powerful decoding engine. It ensures **rapid and accurate** reading of **1D, 2D, PDF417, Data Matrix, and QR barcodes**, perfectly suited for industrial, retail, and warehouse environments.



Specification

Performance Parameters	
Light Sources	(Aimer)RED color LED, (Illumination)White color LED
Supported Symbolologies	1D: Coda bar, Code39, Code32Pharmaceutical(PARAF), Interleaved 2 of 5, NEC 2 of 5, Code 93, Straight 2 of 5 industrial, Straight 2 of 5 IATA, Matrix 2 of 5, Code 11, Codel28, GS1-128, UPC-A, UPC-E, EAN/JAN-8, EAN/JAN-13, MSI, GS1 DataBar Omnidirectional, GS1 DataBar Limited, GS1 DataBar Expanded, China Post (Hong Kong 2 of 5), Korea Post. 2D: Codeblock A, Codeblock F, PDF417, Micro PDF417, GS1 Composite Codes, Q.R Code, Data Matrix, MaxiCode, Aztec, HANXIN.
Scanning Principle:	Image CMOS
Resolution:	640pixels (H) x 480 pixels (V)
Field of View:	39°(Horizontal), 29°(Vertical)
Print Contrast:	20% minimum reflective difference
Trigger Mode:	Manual scan/Continuous scan/Automatic Induction scan
Scan Angle	Yaw±65°, Rotation 360°, Pitch±65°
Depth of scan field	Code39(5mil): 7-16cm, Code39(13mil): 7-32cm QR code (15mil): 3-18cm, Code128(20mil): 6-35cm
Error Rate	1/5million
Interface	USB-HID, USB-COM, RS232
Physical Parameters	
Dimensions	69mm*83.6mm*173.6mm
Material	ABS+PC
Cable Length	1.5M
Environmental Parameters	
Operating Temperature	-20°C ~50°C
Storage Temperature	-40°C ~70°C
Relative Humidity	5%~95% RH (Non-condensing)
Ambient lighting	0~100000LUX
Shock Resistance:	Withstands multiple times 1.5 meters drops to concrete
Electronic Parameters	
Working Voltage	DC5V±5%
Operating Current	255mA
Standby Current	124mA