

W3 USB 1D Handheld Barcode Scanner



PRODUCT OVERVIEW

Model	W3
Product Type	Barcode Scanner

Scanning Performance

Decode Capabilities	1D
Scan Engine	CCD
Image Sensor	Linear CCD Sensor
Sensor Resolution	Linear CCD Sensor 2500point
Illumination	Visible red light, wavelength632nm (dual-beam)
Acquisition Rate	Maximumup to300 scans/s
Minimum Element Resolution	≥3 mil/0.127 mm@PCS90%
Minimum Print Contrast	≥25%
Angular Tolerance	Test Conditions: CODE39,10 mil/0.25 mm,PCS90% Pitch:±60°Roll: ±30°Skew: ±60°
Depth of Field	Code 39 8 bytes (5 mil) 45 mm~180 mm Code 39 10 bytes (20 mil) 110 mm~550 mm Code 39 5 bytes (40 mil) 135 mm~700 mm UPC/EAN 13 12 bytes (13.0 mil) 40 mm~400 mm
Supported Symbolologies	EAN-8, EAN-13, Codabar, CODE11, CODE 39, CODE 93, CODE128, China Post, GS1-128, GS1 Limited, GS1 Omnidirectional, UPC-A, UPC-E, ISBN/ISSN, ISBT, Interleaved 2 of 5, Matrix 2 of 5, Industrial 2 of 5, MSI, Plessey, ITF14.
Trigger Modes	Manual trigger, Continuous illumination mode, Presentation mode, Host-command trigger
Processor	ARM32-bit

Connectivity & Wireless

Connectivity	Wired
Host Interfaces	USB Standard USB (customRS232)

Power

Operating Voltage	DC 5V±5% 210 mA 30 mA
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Physical Specifications	
Dimensions	L × W × H (mm):170 × 65 × 70 mm
Weight	Approx. 158 g
Enclosure Material	ABS+TPU
Color Options	Black
Cable Length	1.8 m
Stand Included	No
User Feedback	Buzzer, LED indicator

Environmental & Compliance	
Drop Resistance	2 m free-fall drop
Operating Temperature	-20°C to 50°C
Storage Temperature	-40°C to 70°C
Relative Humidity	5% to 95% (non-condensing)
Ambient Light Immunity	100,000 lux Max
Certifications	CE, RoHS, FCC