

U820 Portable 2D Barcode Scanner



PRODUCT OVERVIEW

Model	U820
Product Type	Barcode Scanner

Scanning Performance	
Decode Capabilities	1D/2D
Scan Engine	CMOS
Image Sensor	CMOS(Global Shutter)
Sensor Resolution	CMOS(Global Shutter) 640×480
Illumination	White LED Red LED
Aiming System	Red LED
Minimum Element Resolution	1D≥4 mil 2D≥8 mil
Minimum Print Contrast	≥20%
Angular Tolerance	Roll 360°, Pitch ± 55°, Skew ± 55° 48° H:40° V:30°
Depth of Field	EAN-13 50 mm-220 mm (13 mil) Code39 40 mm-100 mm (5 mil 10 bytes) QR Code 25 mm-240 mm (20 mil 16 bytes) Data Matrix 50 mm-100 mm (10 mil 20 bytes) PDF 417 30 mm-140 mm (6.67 mil 7 bytes)
Supported Symbologies	2D QR Code, Data Matrix, PDF417, Aztec, MaxiCode, Han Xin Code 1D EAN, UPC, Code 39, Code 93, Code 128, UCC/EAN 128, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, ISSN, MSI-Plessey, GS1 DataBar, GS1 Composite Code, Code 11, Industrial 25, Standard 25, Plessey, Matrix 2 of 5
Trigger Modes	Manual trigger, Continuous mode, Presentation mode Manual trigger, Continuous mode, Presentation mode, Host-command trigger

Connectivity & Wireless	
Connectivity	Wired, Wireless, 2.4 GHz, Bluetooth Wired, 2.4 GHz wireless, Bluetooth (supported versions 2.0, 3.0, 4.0, 4.2)
Host Interfaces	USB Standard USB interface
Wireless Range	2.4 GHz: 65 m Bluetooth: 20 m
Onboard Memory	64kb~2M

Power	
Battery Capacity	1200 mAh
Operating Time	3 minutes to enter standby
Standby Time	3 minutes to enter standby
Charge Time	Approx. 4 hours 5V 1~2A
Operating Voltage	5V±5% 170 mA ±5% (Typical),260 mA ±5% (Maximum) 0.6μA

Physical Specifications	
Dimensions	Scanner: 85 × 36 × 22 Cradle: 32 × 47 × 32
Weight	Scanner: Approx. 55 g Cradle: Approx. 17 g
Enclosure Material	Rigid housing: ABS
Color Options	White, Orange
Cable Length	Type-C Cable length: 1.2 m
User Feedback	Buzzer, Vibration

Environmental & Compliance	
Drop Resistance	Withstands a 1.2 m drop to concrete
Certifications	CE, RoHS, FCC