

GY-80U Industrial 2D Barcode Scanner



PRODUCT OVERVIEW

Model	GY-80U
Product Type	Barcode Scanner

Scanning Performance	
Decode Capabilities	1D/2D/DPM
Scan Engine	CMOS
Sensor Resolution	1288 × 1088
Illumination	RedLaserLED directlight
Aiming System	RedLaserLED diffuselight polarizedlight
Acquisition Rate	60fps
Minimum Element Resolution	1D:≥3 mil 2D:≥4 mil
Field of View	35.5 ° × 30.2 °
Angular Tolerance	35.5 ° × 30.2 °
Depth of Field	Code39(5 mi I):75 mm~250 mm Code128(3 mil):80 mm~150 mm Code128(10 mi I):65 mm~420 mm QR Code(10mi I):75 mm~230 mm QR Code(20 mil):65 mm~480 mm
Supported Symbologies	1D: Code 39, Code93, Code128, EAN-8, EAN- 13, Interleaved 2 of 5, UPC, Pharmacode, Codabar 2D: QR code, DataMatrix, MaxiCode, Aztec, Micro QR, PDF417 DPM: PCBPCB cutout, lightmetal laser marking, dot-peened cast surface, marked oily surface, resin laser marking, cylindrical laser marking...
Trigger Modes	Manual trigger, Continuous mode, Presentation mode, Host-command trigger

Connectivity & Wireless	
Connectivity	Wired, Wireless, 2.4 GHz, Bluetooth 2.4 GHz wireless+Bluetooth (supported versions 2.0, 3.0, 4.0, 4.2) USB HID (USB COM), RS232serial port, Bluetooth (HID, SPP, BLE)
Host Interfaces	USB, RS232 Standard USB interface, RS232serial port
Wireless Range	2.4 GHz: Approx. 300 m (with AP extended-range transmission) Bluetooth: Approx. 20 m
Onboard Memory	64kb~2M

Power	
Battery Capacity	3200 mAh (Standardtwo batteries)
Operating Time	Approx. 8 hours (one scan every 5 seconds, 2.4GCommunication) 3 minutes to enter standby
Standby Time	3 minutes to enter standby
Charge Time	Approx. 6 hours 5V 1~2A

Physical Specifications	
Dimensions	1/4" 198 × 74 × 105
Weight	Scanner: Approx. 346 g Cradle: Approx. 492 g battery: Approx. 58 g
Enclosure Material	Elastomer: TPU Rigid housing: ABS
Color Options	Black, Blue
Cable Length	Cable length: 2 m, cable gauge: 5 mm, with ferrite core+shielded
Stand Included	No
User Feedback	Buzzer, Vibration

Environmental & Compliance	
IP Rating	IP67
Drop Resistance	Withstands a 3 m drop to concrete
Certifications	CE, RoHS, FCC