

GY-70U

Handheld Wired 2D Industrial Scanner



Description

GY-70U is a handheld wired 2D barcode scanner launched by NETUM suitable for industrial environments. It is equipped with a 1280*1024 1.3 million pixel C-MOS sensor with excellent scanning recognition.

GY-70U has an IP67 industrial grade, and it can maintain good working condition for a long time in a humid or dusty working environment.

GY-70U adopts a high-strength soft TPU and hard ABS two-color shell design. The internal components are designed for harsh working environments. Even if an accidental collision occurs, it will not cause damage to the product.

Feature

GY-70U high-performance barcode recognition technology can efficiently read barcodes of various code systems. The algorithm is highly robust and can effectively deal with situations such as dirty, defective, and low-contrast barcodes. It uses a 1.3MP global shutter sensor and a lighting system to ensure excellent image quality. It comes with LED aiming to clearly indicate the target field of view.

GY-70U is suitable for scanning DPM codes, including PCB hollow codes, reflective metal laser codes, casting surface needle codes, surface oil engraving codes, resin laser codes, cylindrical laser codes....

GY-70U has an IP67 industrial protection level and

GY-70U Specification

1	Optical Performance	
1.1	Resolution:	1280 × 1024
1.2	Illumination:	White LED
1.3	Aiming:	Red LED
1.4	Frame Rate:	Up to 50 fps
1.5	Motion Tolerance:	6m/s [19.7 ft/ s]
1.6	Field of View (FOV):	40° (H) × 34° (V)
1.7	Scanning Angle:	<ul style="list-style-type: none">Tilt: 360°Horizontal: ±60°Vertical: ±60
1.8	Supported Symbologies:	1D: Code 39, Code 93, Code 128, Codabar, EAN-8, EAN-13, ITF-25, ITF-14, UPC-A, UPC-E, etc. 2D: Data Matrix, QR Code, PDF417, etc DPM 码: PCB hollow marks, reflective metal laser-etched codes, cast surface dot-peen marks, oil-contaminated engraved codes, resin laser marks, cylindrical surface laser engraving, etc.
1.9	Reading Range (Typical):	Code 39 (3 mil): 45 ~ 80 mm Code 39 (5 mil): 35 ~ 100 mm Data Matrix (5 mil): 45 ~ 75 mm Data Matrix (10 mil): 45 ~ 220 mm EAN13 (13 mil): 60 ~ 400 mm
1.2.0	Minimum Resolution:	1D: ≥3 mil 2D: ≥4 mil
1.2.1	Print Contrast:	≥20%(UPC/EAN 100% , PCS 90%)
2	Electrical Characteristics	
2.1	Operating Voltage:	5V±5%

2.2	Standby Current:	164mA
2.3	Max. Current:	360mA
3	Operational Features	
3.1	Interface:	Standard USB
3.2	Transmission Modes:	USB HID (USB COM)
3.3	Alert Modes:	Buzzer, vibration
3.4	Scanning Modes:	Manual trigger*, continuous scan, auto-sensing, command trigger
4	Physical Specifications	
4.1	Dimensions (L×W×H):	198*74*105
4.2	Weight:	364g
4.3	Cable:	<ul style="list-style-type: none"> Length: 1.8 m Diameter: 5 mm Features: Ferrite core + shielding, black
4.4	Color:	<ul style="list-style-type: none"> Soft rubber: Black Hard casing: Gray
4.5	Materials:	<ul style="list-style-type: none"> Soft rubber: TPU Hard casing: ABS
5	Safety & Compliance	
5.1	Operating Vibration:	10–150 Hz, 0.5G, 3 axes, 1 min/oct, 1 cycle/axis
5.2	Endurance Vibration:	10–150 Hz, 2G, 3 axes, 1 min/oct, 20 cycles/axis
5.3	Drop Test:	Withstands 3 m drops onto concrete
5.4	IP Rating:	IP67
5.5	Certifications:	CE, RoHS, FCC, etc.

*Test Conditions: Ambient temperature=25°C; Illumination=150 lux (incandescent); Using our standard test codes