

GY-30U

Handheld wired 2D industrial scanner



Product Description

GY-30U is a handheld wired 2D barcode scanner developed by NETUM which is used for Industry. It is 1280*1080 megapixel CMOS sensor with excellent scanning performance.

GY-30U has IP67 industrial grade, and it can maintain good working condition for a long time in a humid or dusty working environment.

GY-30U 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.

The overall design of GY-30U is fully in line with industrial applications. The internal decoding engine is high-brightness LED and high-quality photosensitive modules. Its theoretical design life can reach 100,000 hours, which greatly improves the life of the scanner.

Product Features

Supports high-performance 1D/2D barcode scanning, and also performs well in reading scenarios of printed barcodes with low contrast, stains, distortions, etc.

GY-30U has an IP67 industrial protection grade and is suitable for various complex industrial environments.

GY-30U uses a megapixel optical lens, which supports fast scanning of slender barcodes at close range, and can also accurately scan tiny barcodes.

The USB data cable uses a detachable cable connection for more reliable connection.

GY-30U Data Sheet

1	Optical performance	
1.1	Resolution	1280 (H) * 1080 (V)
1.2	light	Lighting (white light) : IEC 62471
1.3	focus:	Crosshair (red)
1.4	Typical frame rate:	Up to 120 fps
1.5	Motion tolerance	6m/s [19.7 ft/ s]
1.6	View:	Horizontal: 43°(H), Vertical: 36°(V)
1.7	Scanning angle:	Tilt: 360°, left and right: ±60°, up and down: ±60°
1.8	Code support:	1D : UPC A , UPC E , EAN 8 , EAN 13 , Code 128 , Code 39 , Code 93 , Code 32 , Code11 , Codabar ,Plessey , MSI , Interleaved 2 of 5 IATA 2 of 5 , Matrix 2 of 5 , Straight 2 of 5 , Pharmacode , GS1 DataBar 14 , GS1 DataBar Expanded , GS1 DataBar Limited , Composite Code A , Composite Code B , Composite Code C 2D : Data Matrix , QR Code , Micro QR , PDF417, Micro PDF417 , Aztec , MaxiCode , hanxin code
1.9	Read range (typical):	QR (5mil) 40mm~100mm Code39(3mil) 35mm~140mm Code39(5mil) 35mm~190mm EAN(13mil) 50mm~330mm
1.2.0	Accuracy:	1D:≥3 mil 2D:≥5 mil
1.2.1	Printing contrast:	≥20%(UPC/EAN 100% , PCS 90%)
2	Electrical characteristics	
2.1	Working voltage	5V±5%
2.2	Standby currency:	64mA
2.3	Working currency:	300 mA ±5% (typical) ,500 mA ±5% (max)

3	Working characteristics	
3.1	Interface support:	USB
3.2	Transmission mode:	USB HID (USB COM)
3.3	Prompt mode:	Buzzer, vibration
3.4	Scanning mode:	Key scan, continuous scan, self-sensing scan, command trigger (etc.)
4	Physical parameters	
4.1	Size (mm):	198*74*105
4.2	Weight:	364g
4.3	Cable:	length : 1.8m、thickness : 5mm、With magnetic ring + shield, black
4.4	Color	Soft glue: black Hard glue: gray
4.5	Shell material	Soft plastic: TPU Hard plastic: ABS
5	Safety regulations	
5.1	Working vibration:	10~ 150HZ , 0.5G , 3 Axial, 1min/oct, 1 time/axial
5.2	Durable vibration:	10~ 150HZ , 2G , 3 Axial, 1min/oct, 20 times/axial
5.3	drop:	Withstands a 6-meter drop onto concrete
5.4	IP rate:	IP67
5.5	Certificate :	CE ROHS FCC and so on

*Test conditions: ambient temperature = 25°C; ambient illumination = 150 lux incandescent lamp; using the test

sample code developed by our company