RT820

Bus & Metro station 2d barcode scanner

The RT820 is a fast 2d and QR barcode scanner, which is specially designed for Metro and bus system.
When we choose a 2d scanner for transportation like metro and bus station, usually we would consider:

1. Ensure passengers can scan their bar code and go through quickly, especially when the flow of people is large, and avoid long queues.

For this：
Firstly, the scanning speed must be fast enough.
Secondly, when users show their bar codes from different angles, from different distances, make sure the bar code can be read every time.
Thirdly, when the bar code is shown in the user's phone screen, the size of the phone screens would be various, and we need to make sure the barcode scanner can read the barcode from all of those different sizes of mobile phone screens.

2. Avoid failures as much as possible, reduce the cost of subsequent maintenance to the greatest extent, and facilitate maintenance.

The RT820 take consider these challenges and outstanding in:

● ¦ Large scanning window

With 70cm*50cm large scanning window, the bar code can be easily enter into the visible area of the scanner, so that the scanner can capture and read the code easily. In addition, whatever with a small size screen or big size screen, the scanner can read the code from the phone easily.
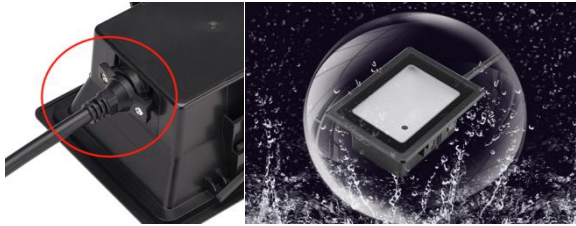
● ¦ Excellent Bar Code Reading Performance

Scan 2d QR and bar codes from 360 degree as you want, 90ms per scan, reading distance from 0cm to 11cm.

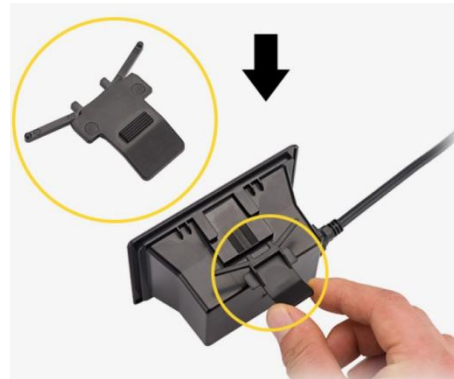
Reading window size:70*50mm
101.5mm
78.5mm
48mm
Self-contained line firm and not loose
Suggested opening size:95*71mm

- **¦ Durable**

- **¦ Flexible design for easy installation and disassemble**

IP66 industrial level, water-proof and dust-proof.

Use quick installation buckle on both sides, no screws required. Easy to install and disassemble.

Performance	Image Sensor	640 * 480 CMOS	
	Reading distance	0-11cm	
	Reading speed	30ms per scan	
	Scanning window	70*50mm	
	Symbologies	2D	QR Code, Data Matrix, etc.
		1D	EAN-8, RSS_14, CODE_39, CODE_93, CODE_128, ITF,CODABAR, inverse code, image code, etc.
	Scan Mode	Sense mode, detect and read automatically	
	Scan Angle	Roll: 360°, Pitch: ±40°, Skew:±30°	
	Field of View	Horizontal 77°, Vertical60°	
	Min. Symbol Contrast	25%	
Mechanical/ Electric	Interface	RS232; USB-HID (HID-KBW or HID-POS)	
	Dimensions	101.5mm*78.5mm*48mm	
	Weight	156.8g	
	Material	ABS+tempered glass	
	Notification	Buzzer, green/red light	
	Operating Voltage	5V-12V	
	Current	159mA (Typically, 5V)	
Environmental	Operating Temperature	-20℃ to 70℃	
	Storage Temperature	-40℃ to 80℃	
	Static Protection	EN 61000-4-2	
	Humidity	5% to 95% (non-condensing)	
	Ambient illuminance	0-80000Lux (not direct sunlight)	
	OS	Windows(XP\7\8\10), Linux, Android, Mac	
	Protection class	IP66 water-proof and dust-proof	

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