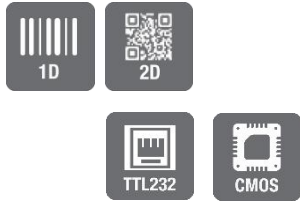




RT214B/RT214C

2D OEM Barcode Scanner Module



The RT214C is an OEM barcode scanner module launched in 2021. It's outstanding at its excellent bar code read performance, lower power consumption. Also outstanding in its compatibility with some traditional barcode scanner modules in terms of size and fix screws.

It supports the TTL-232 interface, and also supports USB to output directly.

It is suitable for all kinds of terminals: ATMs, hospital self-service terminals, lockers, Self-service vending machines, Coffee vending machines, Self-service ticket machines, Advertising players, Courier cabinets, Ticket gates, etc.

| Traditional "L" holder and size Design

The Traditional "L" holder Design, as so as dimensions and fixing screws, enables you to upgrade your barcode scanner module with this RT214C if you use a traditional one previously.

| Read Poor Quality Bar Codes

Applied with the newest technology, this barcode scan engine can easily read even poor quality bar codes: damaged bar codes, low contrast bar codes, torn bar codes, warped or wrinkled bar codes.

| Automatic Reading

Supports automatically detect and read the bar code when we present the bar codes in front of it.

| TTL-232 or USB interface directly

It supports the TTL-232 interface and also supports USB output directly.

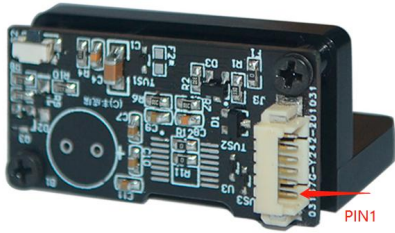
| Excellent Bar Code Reading Performance

Great performance to read most types of common 1d /2d bar code, whatever read from paper or from the phone screen. And it's outstanding at reading on-screen bar codes even when the screen is covered by protective film or with lower brightness.



Interface:

6PIN UART interface and output options:



PIN#	Signal	I/O	Function
1	GND	Power	0V/ Ground
2	RXD_232	I/O	TTL232/RS232 receive; TTL232 default, RS232 optional
3	TXD_232	I/O	TTL232/RS232 send; TTL232 default, RS232 optional
4	D+	I/O	USB D+
5	D-	I/O	USB D-
6	VCC	Power	Power 5V

Option1: USB interface



Option 2: UART (TTL signal) interface



Option 3: RS232 interface



Option 4: 12 pins flat cable (TTL signal) interface



Specification:

Performance	Image Sensor	640 * 480 CMOS		
	Illumination	White LED		
	Aiming	Red LED 625nm		
	Symbologies	2D	PDF417 , QR Code, Data Matrix, Micro QR	
		1D	EAN-13, EAN-8, UPC-A, UPC-E, Code128, Code 39, Codabar, UCC/EAN 128, RSS, ITF-14, ITF6, Standard 2 of 5, Matrix 2 of 5, Industrial 2 of 5, Plessey, MSI Plessey, Code 11, Code 93, etc.	
	Resolution	≥3mil (differ from different type bar codes)		
	Typical Depth of Field	EAN-13	60-350mm (13mil)	
		Code 39	40-150mm (5mil)	
		PDF417	50-125mm (6.7mil)	
		Data Matrix	45-120mm (10mil)	
		QR Code	30-170mm (15mil)	
	Scan Mode	Sense mode, Continuous mode, Command trigger		
Scan Angle	Roll: 360°, Pitch: ±60°, Skew:±60°			
Field of View	Horizontal 42°, Vertical 31.6°			
Min. Symbol Contrast	25%			
Mechanical/ Electric	Interface	UART(TTL Level), USB by itself, RS232 optional		
	Dimensions	38.8(W)×22.5(D)×19.5(H) mm (max.)		
	Weight	9g		
	Notification	Beep, LED indicator		
	Operating Voltage	5VDC + 5%		
	Current	Operating : 138mA(typical); Idle: 11.8mA		
Environmental	Operating Temperature	-20°C to 55°C		
	Storage Temperature	-40°C to 70°C		
	Humidity	5% to 95% (non-condensing)		

Tel: +86 755-23762089


 Website: www.rtscan.net Email: info@rtscan.net

Add: 553-555, Dongming Building, Minzhi Street, Longhua District, Shenzhen 518109, China

Copyright RTscan Technology Limited all rights reserved. RTscan is a registered trademark of RTscan Technology Limited. All other trademarks are the property of their respective owners. In a continuing effort to improve our products, RTscan Technology Limited reserves the right to change specifications and features without prior notice.