



RT214B

2D OEM Barcode Scan Module



The RT214B is an OEM barcode scan module launched in 2021. It's outstanding at its excellent bar code read performance, lower power consumption. Compact design and the same fixing screws position and front dimension with RTscan's RT206 / RT208 barcode scan modules.

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.

| State of art technology

Applied with newest technology, the RT214B not only excellent in read performance, but also stable in quality, RTscan provide 3 years free warranty for the scan module.

| Read Poor Quality Bar Codes

Applied with the newest technology, this barcode scan module 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.

| Lower power consumption

Using advanced technology so the new barcode scan module is quite low power consumption and has outstanding power efficiency. This also prolongs the scan engine's service life.

| 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.

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	RT214B: TTL-232 by itself; USB or RS232 by EVK board		
	Dimensions	RT214B: 21.2(W)×10.5(D)×14.2(H) mm (max)		
	Weight	RT214B: 1.9g		
	Notification	Beep, LED indicator		
	Operating Voltage	RT214B: 3.3VDC + 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)		
Accessories (optional)	Development kit board: equipped with a trigger button, beeper and RS-232 & USB interfaces	USB	USB virtual Com or USB-HID	
		RS-232	Standard DB9 RS232 interface	

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