



RT235

Small OEM 2D fixed mount barcode scanner



The RT235 is a new generation scanner launched in 2020. It's outstanding at its super small & compact design, lower power consumption and ability to read even poor quality bar codes and reading from phone screen even when the screen is lower brightness.

| Super Compact and Lightweight Design

The miniature size, light weight and seamless integration of imager and decoder board facilitates the integration of the barcode scanner RT235 into a wide variety of thin-and-light device.

| Read Poor Quality Bar Codes

Applied with newest technology, this barcode scanner 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

The scanner RT235 supports to automatically detect and read the bar code when we present the ID documents or paper in front of it.

| Lower power consumption

Using advanced technology so the new barcode scanner 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 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	RS232, USB (HID-KBW), USB-VCOM		
	Dimensions	48.08(W)×41.45(D)×21.56(H) mm (max.)		
	Notification	Beep, LED indicator		
	Operating Voltage	5VDC ± 5%		
	Current @ 3.3VDC	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)		

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