



RT830i

FIXED-MOUNT BARCODE SCANNER MODULE



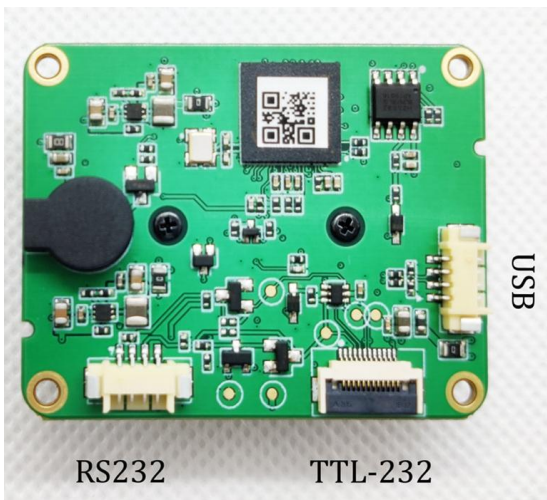
RT830i is design for all kinds of kiosks embedded use, it is suitable for ATM, ticket terminals, turnstile, lockers, queuing equipment, self-service inquiry terminals, and medical devices.

RT830i can read well all types of 1D/2D bar codes including Aztec, MaxiCode, QR, Data Matrix, PDF417, EAN code, etc from both phone screen, paper or document. Besides, it has been optimized to use eight illumination lights instead of the regular 4 illumination lights so it can reads different kinds of barcodes quite well even at very dim light.

Thanks to its special design, you can use it to design/ customize your own scanner housing as you want.

Support sense mode which detects and reads bar code automatically, build in USB, RS232 and TTL-232 interfaces.

Features:



- ▶ Green LED for good read reminder
- ▶ Fixed mount design for kiosk terminals
- ▶ Super large field of view
- ▶ Can read barcodes from screen and paper
- ▶ Detect and read barcode automatically
- ▶ Support most 1D and 2D bar codes, such as Aztec, QR, PDF417 codes, etc.
- ▶ USB/ TTL-232/ RS232 Interface

Performance	Image Sensor	640 pixels (H)x 480 pixels (V)		
	Illumination Aiming	Illumination: 5000K LED		
	Symbolologies	2D	PDF417, MicroPDF417, Data Matrix, Maxicode, QR Code, MicroQR, Aztec etc.	
		1D	UPC, EAN, Code 128, Code 39, Code 93, Code 11, Matrix 2 of 5, Codabar, Interleaved 2 of 5, etc	
	Minimum Resolution	≥ 3.9 mil		
	Typical Depth of Field	UPCA	5-110mm (13mil)	
		QR Code	0-150mm (20mil)	
		PDF417	0-50mm (6.88mil)	
		Data Matrix	0-50mm (10mil)	
		Performance may be impacted by bar code quality and environmental conditions		
	Scan Mode	Sense mode, Command trigger		
	Scan Angle	Roll: 360°, Pitch: ±65°, Skew:±60°		
	Field of View	72° (H) x 57° (V)		
Motion Tolerances	>2m/s			
FPS	100FPS			
Print Contrast:	20% minimum reflective difference			
Mechanical/ Electric	Interface	USB, RS232, TTL232		
	Dimensions	47.2mm x 37.2mm x 14.27mm		
	Weight	10.8g		
	Notification	Beep, Green LED indicator		
	Voltage	3.3-5 VDC		
	Current	Operating: 200mA. Standby: 90mA. Peak: 300mA.		
Environmental	Operating Temperature	-40°C to 70°C		
	Storage Temperature	-50°C to 85°C		
	Humidity	0% to 95% relative humidity,non-condensing		
	Drop/Shock	Withstands 10Gs 0.06"double amp		
	Ambient Light Immunity	0-100,000 Lux.		

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