



RT240 Series

Fixed mount 2D Barcode Scanner



The RT240 series are 2026 new generation fixed mount barcode scanner, they are designed for all kinds general purpose use. In order to meet the different needs of different applications, we developed the RT240 series with four versions in terms of reading distance and image resolution: RT240-SR is a standard range version, RT240-SD is short distance version, RT240-ER is a long-range/extended range version, and RT240-HD is a high density version.

This scanner suitable for all kinds of terminals:

ATM, Locker, Kiosks, Express cabinets, Ticket gates, and other types of self-service terminals.



The RT240 series barcode scanners are combined with several users-friendly designs, they are featured by:

| Easy mounting design

The RT240 comes with different mounting brackets (optional) which enables you to fix the scanner into your devices very easily. It facilitates your design and save your development time.

| Four versions available for different applications.

RT240-SR: standard range barcode scanner.

RT240-SD: reads bar codes from a short distance.

RT240-ER: reads bar codes from a longer distance.

RT240-HD: reads HIGH density bar codes.

| Special design to protect users' eyes from the light flashing

The scanner comes with an cover (optional) which prevents the scanner's lights from shooting into the human eyes.

| Intelligent self-adaptive illumination

The RT240 features auto-adjusting LEDs that activate in low light, ensuring the motion sensor detects barcodes reliably in any environment, from total darkness to bright sunlight.



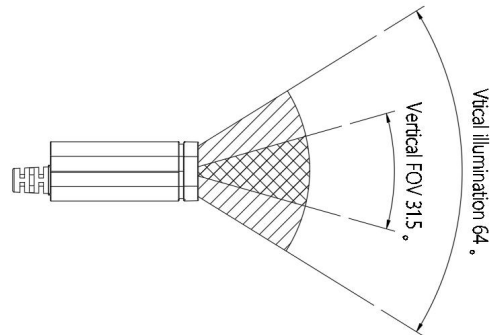
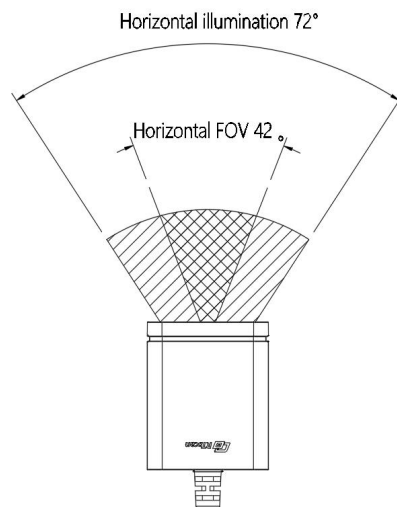
Specification :



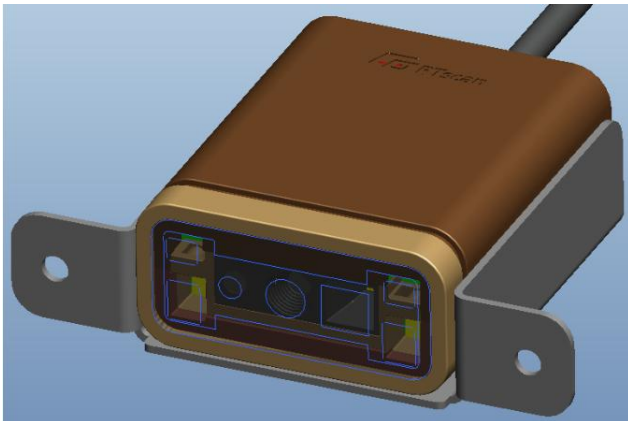
Four Versions Available	Version	Description		Example	
	RT240-SR	Standard Range: For usual/ common distance barcode reading		EAN-13 60-350mm (13mil) Code 39 40-150mm (5mil) PDF417 50-125mm (6.7mil) Data Matrix 45-120mm (10mil) QR Code 30-170mm (15mil)	
	RT240-ER	Extended Range: Able to read bar codes from a longer distance		EAN-13 105mm-680mm Code 39 120mm-260mm(5mil) Code 39 65mm-800mm(20mil) Code 128 115mm-1400mm(40mil) QR Code 80mm-250mm (15mil)	
	RT240-SD	Short Distance: Able to read bar codes from a short distance		PDF417 25mm-45mm(6.7mil) Code 39 25mm-50mm(5mil) Data Matrix 25mm-45mm (10mil) QR Code 20mm-60mm (15mil)	
	RT240-HD	High Definition: Able to read high-density barcodes		EAN-13 70-499mm (13mil) Code 39 90-264mm (5mil) PDF417 70-225mm (6.7mil) Data Matrix 65-214mm (10mil) QR Code 40-294mm (15mil)	
Performance	Image Sensor	RT240-SR/RT240-ER/RT240-SD: 640 * 480 CMOS; RT240-HD: 1280*800 CMOS			
	Illumination Aiming	White LED RT240-SR/RT240-SD: Red LED 625nm; RT240-ER/RT240-HD: 650nm Laser			
	Symbologies	2D	PDF417, QR Code, Micro QR, Data Matrix		
		1D	EAN-13, EAN-8, UPC-A, UPC-E, Code128, Code 39, Codabar, UC C/EAN128, ITF-14, ITF6, Standard 2 of 5, Matrix 2 of 5, Industrial2 of 5, Plessey, MSI Plessey, Code 11, Code 93, etc.		
	Resolution	3mil(1D) , 6.7mil(2D)			
	Field of View	RT240-SR	RT240-SD	RT240-ER	RT240-HD
		Horizontal 42° Vertical 31.6°	Horizontal 68° Vertical 51°	Horizontal 28° Vertical 21°	Horizontal 43° Vertical 29°
	Scan Angle	RT240-SR	RT240-SD	RT240-ER	RT240-HD
		Roll: 360°, Pitch: ±60°, Skew:±60°	Roll: 360°, Pitch: ±50°, Skew: ±50°	Roll: 360°, Pitch: ±60°, Skew: ±60°	Roll: 360°, Pitch: ±61°, Skew:±61°
	Scan Mode	Sense mode, Continuous mode, Command trigger			
Min. Symbol Contrast	25%				
Mechanical/ Electric	Interface	USB or RS232			
	Dimensions	40.83(W)×50(D)×20(H)mm (max.)			
	Notification	Beep, LED indicator			
	Operating Voltage	5 VDC ± 5%			
	Current@ 5VDC	RT240-SR	Operating 155mA; Peak 299mA Standby(sense mode) 45mA Standby(trigger mode) 5mA Standby(nighttime fully dark) 52mA		
		RT240-ER	Operating 140mA; Peak 532mA Standby(sense mode) 41mA Standby(trigger mode) 5mA Standby(nighttime fully dark) 53mA		
		RT240-SD	Operating 141mA; Peak 305mA Standby(sense mode) 45mA Standby(trigger mode) 6mA Standby(nighttime fully dark) 48mA		
RT240-HD		Operating 233mA; Peak 538mA Standby(sense mode) 125mA Standby(trigger mode) 30mA Standby(nighttime fully dark) 132mA			
Environmental	Operating Temperature	-20°C to 55°C			
	Storage Temperature	-40°C to 70°C			
	Humidity	5% to 95% (non-condensing)			
Certifications	FCC Class B, CE EMC Class B,ROHS,REACH, IEC62471(for LED), IEC60825 (for laser)				
Accessories	Cable	USB	Used to connect the RT240 to a host device.		
		RS-232	Used to connect the RT240 to a host device.		

Test distance =(minimum depth of field + maximum depth of field)/2; The ambient temperature =23°C; ambient illumination =300 LUX incandescent 2 D : QR CODE; 10 Bytes; Minimum empty width =15 mil; PCS=0.8;
* Specifications are subject to change without prior notice*

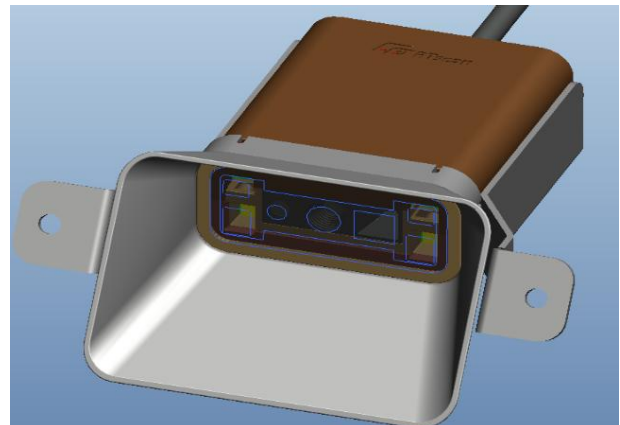
FOV & Illumination



Mounting & Bracket



Bracket type A



Bracket type B

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