RT300





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The RT300 with a 1.3mega pixel high resolution image sensor which is optimized for barcode scanning, it offers industry-leading performance and reliability for a wide variety of applications from industrial lever application to common application. It allows great depth of field, faster reading.

RT300 decodes most bar codes, outstanding especially for reading poor quality bar codes and the high density barcode like the PDF417 code in ID document or driver's license.

RT300 with industrial design and withstand drop from a height of 1.5 meters, compliant with IP52.

Features

- Omnidirectional scanning, able to read all the standard one-dimensional bar code and two-dimensional bar code such as PDF417, microPDF, and Data Matrix and QR
- Capable for reading high density bar code, for example, the PDF417 in the driver's license or ID document.



- Durable and reliable, industrial class barcode scanner, compliant with IP52
- Accurate aiming and decoding

RT300 Technical Specifications

Mechanical		
Dimensions (LxWxH)	180mm x 80mm x 90mm	
Weight	200 g	
Electrical		
Input Voltage	5 VDC	
Operating Power	2 W (400mA @ 5 VDC)	
Standby Power	0.8 W (160mA @ 5 VDC)	
Host System Interfaces	USB, Keyboard Wedge, RS232, IBM 46xx (RS485)	
, LED class	ClassI:IEC60825-1 EN60825-1	
Electromagnetic compatibility	FCC Part15, IEC60825-1,EN55022 Class B	
Environmental		
Operating Temperature	0°C to 40°C	
Storage Temperature	-40°C to 60°C	
Humidity	0% to 95% relative humidity, non-condensing	
Drop	Designed to withstand 1.5 m drops to concrete	
	Ratchet stand: Designed to withstand 50 1.2 m (4') drops to concrete	
	on each of the faces	
Environmental Sealing	IP52	
Light Levels	0 to 100,000 lux	
Scan Performance		
Scan Pattern	Area Image (838 x 640 pixel array)	
Optical Resolution	1.30MEGA pixels	
Motion Tolerance	Up to 47 cm/s for 13 mil UPC at distance of 10cm	
Scan Angle	Horizontal 50°; Vertical: 20°	
Symbol Contrast	20% minimum reflectance difference	
Pitch, Skew	75°, 75°	
Decode Capability	1D: Code39,Code93,Code 128,UPC / EAN,,Code 2 of 5,	
,	Code11,Codabar,MSI Plessey,GS1 DataBar	
	2D: PDF417,,QR Code,Micro QR Code,Data Matrix,Maxicode,	
	n	

Typical Performance*

5mil(1D)	35mm- 145mm
7mil(1D)	25mm- 230mm
13mil(1D)	20mm- 330mm
10mil(2D)	20mm- 330mm
15mil(2D)	20mm- 400mm

^{*}Performance may be impacted by bar code quality and environmental conditions