

### RT300



[www.scannerit.com](http://www.scannerit.com)

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**T**he 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	Class: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,
Warranty	1 year factory warranty

## 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