



# RT300

High Resolution 2D Barcode Reader





- ▶ The RT300 is a barcode reader which is specially designed for reading those big size and high density PDF417 code in identification document or driver's license.
- ▶ With 1.3mega pixel high resolution image sensor, which is optimized for big size and high density barcode scanning, the RT300 offers outstanding performance for reading the PDF417 in ID document worldwide, easy and fast reading.
- ▶ Besides of the PDF417 code in ID document, the RT300 also supports decoding most of 1D and 2D bar codes, such as QR code, Data Matrix, and it is also outstanding for reading extremely big size barcode from long distance.



## Features:

- Readable PDF417 code from ID document or driver's license easily and quickly
- Omnidirectional scanning, able to read all the standard one-dimensional bar code and two-dimensional bar code such as QR code,PDF417, microPDF, and Data Matrix
- Capable for reading big size bar code from long distance away
- Fast, even faster than some Honeywell barcode readers
- Accurate aiming and decoding
- Support Windows, Andriod(power output need to be >400mA)
- Interface: USB-HID, USB-COM emulation, RS232, RJ11(to work with POS terminal), Mini USB

## Specification:

### Mechanical

Dimensions (LxWxH)	180mm x 80mm x 90mm
Weight	200 g

### Scan Performance

Scan Pattern	Area Image (838 x 640 pixel array)
Optical Resolution	1.30MEGA pixels
Motion Tolerance	Up to 50 cm/s for 13 mil UPC at distance of 10cm
Scan Angle	Horizontal 50°; Vertical: 20°
Symbol Contrast	20% minimum reflectance difference
Pitch, Skew, Rotate	75°, 75°, 360°
Decode Capability	2D: PDF417, Micro PDF417, Data Matrix, QR code, Aztec 1D: GS1 DataBar, UPC\EAN (UPC-A, UPC-E, EAN-13, EAN-8), Code 128, Code 39, Code 93

### 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
LED class	Class I: 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 Stand: Designed to withstand 50 1.2 m (4') drops to concrete on each of the faces
Environmental Sealing	IP52
Illumination Level	0 to 100,000 lux

Warranty	1 year factory warranty
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### 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