

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 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 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