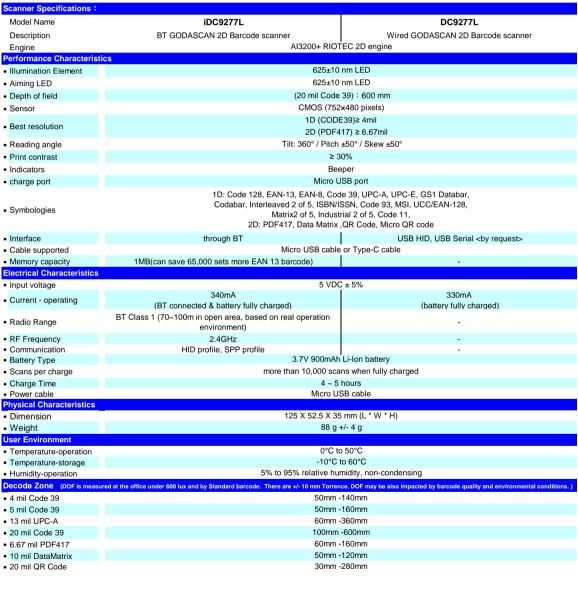# RIOTEC

GODASCAN 2D Barcode Scanner

Features

With the Internet of Things (IOT), smartphone becomes the tool for data collection. RIOTEC develops Godascan barcode scanner which can upgrade smartphone to simple data collector. That is, Godascan extends smartphone to data capture market.

The latest solution:
Godascan + smartphone = data collector

** DC9277L: Plug and Play(Wired, for Android / Windows OTG Smartphone)
   iDC9277L: BT communication(HID profile , for iOS device/Android/Windows Smartphone)
                          (SPP profile, for Android/ Windows Smartphone)
** With appropriate APP, the Smartphone becomes data collector easily.
** With touch trigger, the operation is easy.
** GODASCAN can be used for different size of iOS / Android devices.(from 4" to 6" display size)
** The GODASCAN has PU glue / suction cups which can be stuck on back of smartphone strongly.
   PU glue can be used repeatedly
** GODASCAN has Li-Ion battery inside which provides power to barcode scanner.
** You don't need to remove GODASCAN when in charge. You can charge both GODASCAN &
   smartphone through its micro USB port directly.

Scanner Specifications :

Model Name	iDC9277L	DC9277L
Description	BT GODASCAN 2D Barcode scanner	Wired GODASCAN 2D Barcode scanner
Engine	AI3200+ RIOTEC 2D engine	

Performance Characteristics

• Illumination Element	625±10 nm LED	
• Aiming LED	625±10 nm LED	
• Depth of field	(20 mil Code 39)：600 mm	
• Sensor	CMOS (752×480 pixels)	
• Best resolution	1D (CODE39)≥ 4mil 2D (PDF417) ≥ 6.67mil	
• Reading angle	Tilt: 360° / Pitch ±50° / Skew ±50°	
• Print contrast	≥ 30%	
• Indicators	Beeper	
• charge port	Micro USB port	
• Symbologies	1D: Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, GS1 Databar, Codabar, Interleaved 2 of 5, ISBN/ISSN, Code 93, MSI, UCC/EAN-128, Matrix2 of 5, Industrial 2 of 5, Code 11, 2D: PDF417, Data Matrix ,QR Code, Micro QR code	
• Interface	through BT	USB HID, USB Serial <by request>
• Cable supported	Micro USB cable or Type-C cable	
• Memory capacity	1MB(can save 65,000 sets more EAN 13 barcode)	-

Electrical Characteristics

• Input voltage	5 VDC ± 5%	
• Current - operating	340mA (BT connected & battery fully charged)	330mA (battery fully charged)
• Radio Range	BT Class 1 (70~100m in open area, based on real operation environment)	-
• RF Frequency	2.4GHz	-
• Communication	HID profile, SPP profile	-
• Battery Type	3.7V 900mAh Li-Ion battery	
• Scans per charge	more than 10,000 scans when fully charged	
• Charge Time	4 ~ 5 hours	
• Power cable	Micro USB cable	

Physical Characteristics

• Dimension	125 X 52.5 X 35 mm (L * W * H)
• Weight	88 g +/- 4 g

User Environment

• Temperature-operation	0°C to 50°C
• Temperature-storage	-10°C to 60°C
• Humidity-operation	5% to 95% relative humidity, non-condensing

Decode Zone   (DOF is measured at the office under 600 lux and by Standard barcode. There are +/- 10 mm Torrence. DOF may be also impacted by barcode quality and environmental conditions.)

• 4 mil Code 39	50mm -140mm
• 5 mil Code 39	50mm -160mm
• 13 mil UPC-A	60mm -360mm
• 20 mil Code 39	100mm -600mm
• 6.67 mil PDF417	60mm -160mm
• 10 mil DataMatrix	50mm -120mm
• 20 mil QR Code	30mm -280mm

Product specification is subject to change without notice.