

IG-300 / IG-300BT

Area Imager Bar Code Scanner



Introduction

IG300/IG300BT is a wireless 2D area imager bar code scanner which add on more user-friendly functions with wireless that makes it more easily to be operated by the customers.

IG300/BT supports 1D and 2D barcode scanning with up to 440mm reading depth, its scan rate is up to 200 scans per second in linear emulation and 56 images per second in 2D mode. Based on CMOS technology for optimal image sensitivity and dynamic range, the IG300BT features scanning speeds two times faster than traditional 2D imagers. For hand-free operation application, customers can easily configure by themselves to facilitate it to be hand-free reading.

The scanner and cradle with Class1 Bluetooth V2.1 EDR technology with transmission range up to 100m/ 328.08 ft. in line of open sight, supports both SPP and HID profiles can easily pair up with other Bluetooth V2.1 compatible mobile equipments or systems.

In short, IG300/BT is a high performance gun-type scanner, which provides the customer with the most cost-effective solution in the market. It is perfectly suitable and definitely the best choice for you.

IG-300 / IG300 BT

Features

- Most versatile and ergonomic hand held scanner for every point of sale environment
- Omni direction to reads most major 1D and 2D barcodes
- Reading distance up to 44 cm with 200 scans/second linear mode and 56 images/second 2D mode scan speed
- Extensive range of models: wired, wireless (Bluetooth) and all common interfaces
- Memory capacity can be store up to 30,000 sets of EAN13 barcodes
- Bluetooth V2.1 Class 1 technology, Range up to 100m in line of open sight
- Bluetooth supports HID and SPP profiles

Specification

IG-300 Area Imager

Physical Characteristics

Weight	Approx. 134 g (w/o Cable)
Material	ABS Plastic & Rubber
Dimensions (W x H x L)	89.5 x 71.58 x 193.17mm

Electrical Characteristics

Voltage	5VDC $\pm$ 5%
Operating Current	410 mA
Reading Indicator	Beep and LED (Good read Green)
Scan Rate in 1D mode	200 scans per second
Scan Rate in 2D mode	56 images per second
Interface	RS232/USB
Cable	Straight 1.5 m / 5 ft
Connector	RJ45C 10 Pins

Scanner Characteristics

Sensor	Area Imager CMOS
Light Source	650 nm red LED
Depth Of Field	440 mm@20mil/0.5mm, PCS90%
Resolution	5mil/0.127mm@Code39
Ambient Light	100,000 Lux Max. (Sunlight)

Barcode types	1D/ Linear codes: Codabar, Code 11, Code 39, Code 93, Code 128, EAN 8/EAN13, EAN 128/UCC, GS1 DataBar, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Standard 2 of 5, ISBN, ISSN, MSI/PLESSY, Telepen, UPC A/UPC E 2D/Stacked Codes: Datamatrix, Aztec, PDF417, MicroPDF417, Postal Codes, Maxicode, QR, UCC/EAN Composite
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Environmental

Operating Temp	0 °C to 50 °C
Storage Temp	-20 °C to 60 °C
Relative Humidity	20% to 95% (Non-condensing)
Drop resistance	47.24 inches(120cm) drop on concrete surface

Regularity of Compliance

CE, FCC and RoHs. 

IG-300BT Area Imager with Bluetooth

Physical Characteristics

Weight Scanner/Cradle	Approx. 194g / 104g
Material	ABS Plastic & Rubber
Scanner Dimensions (W x H x L)	89.5 x 71.58 x 182.66mm
Cradle Dimensions (W x H x L)	95 x 43.84 x 190.04 mm

Electrical Characteristics

Voltage	5 VDC $\pm$ 5%
Operating Current	435mA Scanner , 98mA Cradle
Reading Indicator	Beep and LED (3 color)
Scan Rate in 1D mode	200 scans per second
Scan Rate in 2D mode	56 images per second
Battery	Lithium-ion 3.7 V / 1400 mA
Battery Full Charge time	4, hours
Scan times per Battery full charge	8,000 times in continuous read
Interface	RS232/USB/KBW
Cable	Straight 1.5 m / 5 ft
Connector	RJ45C 10 Pins

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Bluetooth Characteristics

Bluetooth Module	Bluetooth V2.1 Standard
Frequency Band	2.402GHz ~ 2.480GHz
Modulation Method	GFSK for 1Mbps
RF Output Power	Class 1 (Under 20 dBm)
Bluetooth Distance Range	Up to 100m (328.08 ft) in line of open sight
Profile Support	Both HID & SPP Profiles

Regularity of Compliance

CE, FCC and RoHs. 

Due to Champtek's / Scantech ID's continuing product improvement programs, specifications and features are subject to change without notice.