LG710/BT

Rugged Gun Type Laser Bar Code Scanner

Introduction

LG710/LG710BT are brand new rugged gun-type laser bar code scanner which is designed especially for retail, logistic and warehousing management market. We include friendly functions with replaceable multiple interface cable options that makes it more easily to be operated by the customers to accommodate itself to user environment.

LG710 has most modern design with rugged casing and supports IP54 sealing protection. LG710/LG710BT support reading range up to 300 mm for the majority of 1D bar codes and GS1 DataBar™ codes. A stand option can be ordered to facilitate hand-free reading options.
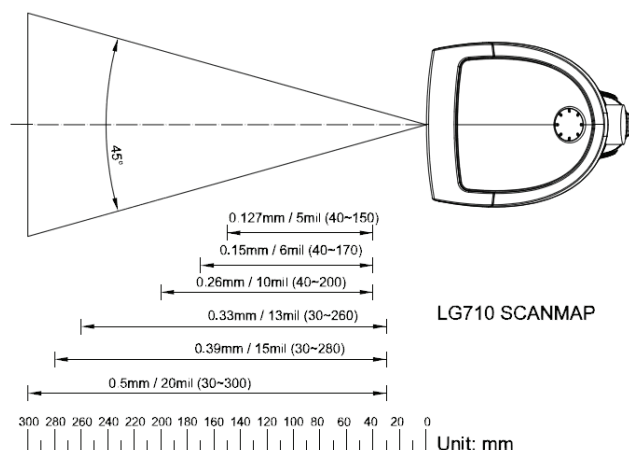
LG710BT's scanner and cradle designed with Class1 Bluetooth V2.1 EDR technology, with transmission range up to 100m / 328.08 ft. in line of open sight, support both SPP and HID profiles can easily pair up with other Bluetooth V2.1 compatible mobile equipments or systems.

In short, LG710/LG710BT are high performance gun-type laser scanner, which provides the customer with the most cost-effective solution in the market, perfectly suitable and definitely the best choice for any retail and logistic environment.

Features

- Support 1D barcodes and GS1 DataBar and GS1 Stacked codes
- Automatically detect reading mode
- Reading distance up to 300mm (20mil/0.5mm@code39 pcs90%)
- Rugged casing supports IP54 sealing protection
- 4 in 1 Combo interface that changes interface by replacing cable
- Bluetooth V2.1 Class 1 technology, range up to 100m /328.08 ft. in line of open sight
- Bluetooth supports HID and SPP profiles

LG710/BT

LG710 SCANMAP

0.127mm / 5mil (40~150)
0.15mm / 6mil (40~170)
0.26mm / 10mil (40~200)
0.33mm / 13mil (30~260)
0.39mm / 15mil (30~280)
0.5mm / 20mil (30~300)

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0   Unit: mm

Specifications

● Physical Characteristics

LG710

Scanner weight	Approx. 163.4g / 5.77oz
Material	ABS and Rubber
Cable Length	5ft（150cm）
Dimension (WxHxL)	75 x 71.73 x 177.96 mm

LG710 Stand (Option)

Dimension (WxHxL)	100 x 204.4 x 160 mm

LG710BT

Scanner weight	Approx. 225.4g / 7.95oz (incl. Battery)
Dimension (WxHxL)	75 x 71.73 x 177.96 mm
Cradle weight	Approx. 147.4g/ 5.2oz
Dimension (WxHxL)	112.18 x 84.64 x 130.6 mm

● Performance

LigLight Source	Visible Laser Diode 650nm±10nm
Sensor	Photo Diode
Processor Type	32-bit
Operating Freq.	8 MHz
Scan Speed	Up to 50 scans per second ± 5%
Depth of Field	Up to 300mm@20mil/0.5mm, PCS90%
Print Contrast Ratio	30%
Minimum Resolution	5mil/0.127mm@PCS90%
Reading Angle	Test Conditions : Code 39, 10mil/0.26mm, PCS 90% Pitch : ±5°~60°(±5°) Skew: ±5°~60°(±5°)
Ambient Light	Up to 5,000 Lux

● Environmental

Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Relative Humidity	20% to 95% (Non-condensing)
Sealing protection	IP54

● Electrical Characteristics

LG710 Scanner

Voltage	DC +5V ± 5%
Operation Consumption	65mA

LG710BT Scanner

Voltage Battery	Li-Ion 3.7V/2600 mAh
Charge Time	Approx. 5 hours
Reads per Charge	50,000 Times
Operation Consumption	170mAA

LG710BT Cradle

Voltage	DC +5V ± 5%
Operation Consumption	100mA

● Radio Characteristics

Bluetooth Module	Bluetooth V2.1 EDR
Frequency Band	2.402GHz ~ 2.480GHz
Transmission Range	Up to 100m/328.08 ft. line of sight
RF Output Power	Class 1 (under 20dBm)

● Reliability

MTBF(Calculated) **LG710**		40,000 hours minimum
	LG710BT	35,000 hours minimum
Cable Bending Test		25,000 times minimum (30 times/min @ 500g/90°)
Drop		59.05 inches(150cm) drop on Concrete Surface

● Readable Symbologies

All UPC/EAN/JAN, EAN128 Code, Code 39, Code 39 Full ASCII Code32 / Italian Pharmacy, Code 128, CODABAR/NW7 Interleave 25, Industrial 25, Matrix 25, MSI/PLESSEY, Telepen Code 93, Code 11, China Postage, Code 26 and GS1 DataBar Family