SCANTECH ID

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VEGA V-1010/BT
Linear Imager Barcode Scanner

Introduction

VEGA V-1010/V-1010BT is an award-winner gun type barcode scanner which is designed specifically for retail market. Introducing new series of VEGA, we include friendly functions with the replaceable cable that makes it more easily to be operated by the customers.

V-1010 supports long range mode. For specification of VEGA which supports the reading depth up to 500mm, scan speed is up to 500 scans per second.
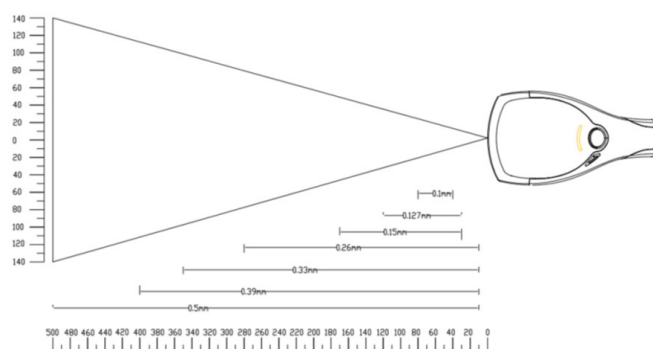
V-1010BT Wireless Barcode Scanner will support Class1 Bluetooth V2.0 EDR technology. We add on more user-friendly functions that makes it more easily to be operated by the customers.

In short, VEGA 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 any retailers using POS environment.

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VEGA V-1010/BT

Features

- Support 1D barcodes and GS1 DataBar and GS1 Stacked codes.
- Automatically detect reading mode.
- Reading distance up to 50cm (20mil/0.5mm@code39 pcs90%).
- Smart detect reading speed up to 500 scans/sec.
- 4 in 1 Combo interface that changes interface by replacing cable.
- Bluetooth V2.0 Class 1 technology, Range up to 80m in open space.
- Bluetooth supports HID and SPP profiles.

Specifications

Physical Characteristics

V-1010

Body weight	Approx. 150g
Material	ABS / Rubber
Cable Length	5ft（150cm）
Connector	RJ 45C 10Pins
Dimension	186.8mm (L) x 81.6 mm (W) x 63.9mm (H)

V-1010 Stand (Option)

Dimension	160.0 mm (L) x 100.0 mm (W) x 199.1 mm (H)

V-1010BT

Scanner weight	Approx. 215g(incl. Battery)
Dimension	186.8mm (L) x 81.6 mm (W) x 63.9mm (H)
Cradle weight	Approx. 150g
Dimension	129.9mm (L) x 120.0 mm (W) x 71.4 mm (H)

Performance

Light Source	Visible Red light 635nm LED
Sensor	Linear CCD Sensor
Processor Type	ARM Cortex™-M3, 32-bit
Operating Freq.	8 MHz
Scan Speed	Smart detect up to 500 scans/second
Depth of Field	Up to 500mm@20mil/0.5mm, PCS90%
Print Contrast Ratio	PCS45%@4mil/0.1mm
Minimum Resolution	4mil/0.1mm@PCS90%
Reading Angle	Test Conditions : Code 39,
	10mil/0.25mm, PCS 90%
	Pitch :±10°~65°(±5°)
	Skew: ± 60°(±5°)
Ambient Light	10,000 Lux Max.

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)

Electrical Characteristics

V-1010

Voltage	DC5V
Operation Consumption	150mA

V-1010BT Scanner

Voltage Battery	Li-Ion 3.7V/1400 mAh
Charge Time	3.5 hours
Reads per Charge	10,000 Times
Operation Consumption	190mA

V-1010BT Cradle

Voltage	DC5V
Operation Consumption	70mA

Radio Characteristics

Bluetooth Module	Bluetooth V2.0 EDR
Frequency Band	2.402GHz ~ 2.480GHz
Transmission Range	Up to 80M(26.67ft) line of sight
RF Output Power	Class 1 (under 20dBm)

Reliability

MTBF(Calculated)	V-1010	50,000 hours minimum
	V-1010BT	30,000 hours minimum
Cable Bending Test		25,000 times minimum (30 times/min @ 500g/90°)
Drop		47.24inches (120cm) 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, LCD25, GS1 DataBar