SCANTECH ID

VEGA V-1040/BT
Multi-Lines Laser Bar Code Scanner

Introduction

VEGA V-1040/V-1040BT is a Multiple Laser lines bar code scanner which is designed specifically for retail market. It has user-friendly functions with the replaceable cable that makes it more easily to be operated by the customers.
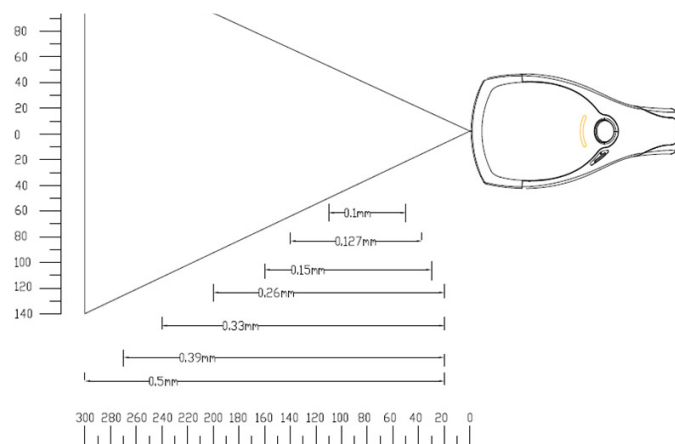
VEGA V-1040 is absolutely a high performance laser scanner which supports the reading depth up to 300mm, and the scan speed is up to 500 scans per second. It has most modern design with multi line laser bars and single line laser bar which can be switched by double click manually. Scanner has automatic sleep and wake-up mode which can 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.

V-1040BT Wireless Barcode Scanner will support Class1 Bluetooth V2.0 EDR technology. We add on more user-friendly functions with wireless that makes it more easily to be operated by the customers.

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VEGA V-1040/BT

Features

- Support multiple parallel Laser scan lines.
- Support 1D barcodes and GS1 DataBar and GS1 Stacked codes.
- Automatically detect reading mode.
- Reading distance up to 30cm (20mil/0.5mm@code39 pcs90%).
- Reading speed up to 500 scans/second.
- Multiple laser lines and single laser line mode can be switched by double click trigger.
- 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-1040

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

V-1040 Stand (Option)

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

V-1040BT

Scanner weight	Approx. 197g(incl. Battery)
Dimension	186.8mm (L) x 81.6 mm (W) x 63.9mm (H)
Cradle weight	Approx. 132g
Dimension	129.9mm (L) x 120.0 mm (W) x 71.4 mm (H)

Performance

Light Source	Visible Red light 650nm Laser
Sensor	Photo Diode
Processor Type	ARM Cortex™-M3, 32-bit
Operating Freq.	8 MHz
Scan Speed	Up to 500 scans/second
Depth of Field	Up to 300mm@20mil/0.5mm, PCS90%
Print Contrast Ratio	PCS60%@4mil/0.1mm
Minimum Resolution	4mil/0.1mm@PCS90%
Reading Angle	Test Conditions : Code 39,
	10mil/0.25mm, PCS 90%
	Pitch :±5°~60°(±5°)
	Skew: ±5°~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-1040

Voltage	DC5V
Operation Consumption	230mA

V-1040BT Scanner

Voltage Battery	Li-Ion 3.7V/1400 mAh
Charge Time	3.5 hours
Reads per Charge	5,000 Times
Operation Consumption	290mA

V-1040BT 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(266,67ft) line of sight
RF Output Power	Class 1 (under 20dBm)

Reliability

MTBF(Calculated) **V-1040**	40,000 hours minimum
V-1040BT	25,000 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, GS1 DataBar