

SCANTECH ID

VEGA Area Imager V-1020 / V-1020BT



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Introduction

VEGA V-1020 / V-1020BT is an award-winner stylish gun type area imager 2D barcode scanner which is design 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.

Speaking of the performance, this scanner 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 or 56 images per second in 2D mode. Based on CMOS technology for optimal image sensitivity and dynamic range, the V-1020BT features scanning speeds two times faster than traditional 2D imagers.

V-1020BT's scanner and cradle come with Class1 Bluetooth V2.1 EDR technology and 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, VEGA V-1020 / V-1020BT 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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V-1020 / V-1020BT

Features

- Most modern, versatile and ergonomic hand held scanner for every point of sale environment
- Reading distance up to 44 cm, scan speed of 200 scans/second linear mode and 56 images/second in 2D mode guarantees an outstanding scan performance
- Reads all common 1D and 2D barcodes regardless of orientation
- Bluetooth V2.1 Class 1 technology, range up to 100m in open space
- Bluetooth supports HID and SPP profiles
- Exchangeable top cover, making it possible to present commercial messages in a very cost-effective way

Specification


VEGA V-1020 Area Imager

Physical Characteristics	
Weight	Approx. 139.6g / 4.92oz (w/o cable)
Material	ABS Plastic and Rubber
Dimensions	81.63mm(W)x63.87mm(H)x 186.83mm(L)

Electrical Characteristics	
Voltage	5VDC \pm 5%
Operating Current	435 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/KBW
Cable	Straight 1.5 m / 5 ft
Connector	RJ45C 10 Pins

Scanner Characteristics	
Sensor	Area Imager CMOS
Light Source	650 \pm 5nm Red LED
Depth Of Field	440 mm@20mil/0.5mm, PCS90%
Resolution	0.127mm (5mil) @ 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

Environmental	
Operating Temp	0 °C to 50 °C
Storage Temp	-20 °C to 60 °C
Relative Humidity	20% to 85% (Non-condensing)
Drop resistance	Withstands multiple drops of 1.0 m on concrete surface

Regularity of Compliance	
CE, FCC and RoHS. 	

VEGA V-1020 Area Imager with Bluetooth


Physical Characteristics	
Weight Scanner/Cradle	Approx. 173g(6.1oz) / 133.6g(4.71oz)
Material	ABS Plastic and Rubber
Scanner Dimensions	81.63mm(W)x63.87mm(H)x 186.83mm(L)
Cradle Dimensions	120mm(W)x71.35mm(H)x123.86mm(L)

Electrical Characteristics	
Voltage	5 VDC \pm 5%
Operating Current	450mA (scanner)/ 70 mA (Cradle)
Reading Indicator	Beep and LED (3 color LED)
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	Approx. 4 hours
Scan times per Battery full charge	10,000 in continuous reads
Interface	RS232/USB/KBW
Cable	Straight 1.5 m / 5 ft
Connector	RJ45C 10 Pins

Scanner Characteristics	
Sensor	Area Imager CMOS
Light Source	650 \pm 5nm Red LED
Depth Of Field	440 mm@20mil/0.5mm, PCS90%
Resolution	0.127mm (5mil) @ code39
Ambient Light	100,000 Lux Max. (Sunlight)

Environmental	
Operating Temp	0 °C to 50 °C
Storage Temp	-20 °C to 60 °C
Relative Humidity	20% to 85% (Non-condensing)
Drop resistance	47.24 inches(120cm) on concrete surface

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

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.