



VEGA Area Imager V-1020 / V-1020BT



Introduction

The new style in handheld bar code scanning!

The VEGA handheld bar code scanner series, with an extensive range of models, represents the new style in handheld bar code scanning. It is a modern and ergonomically designed scanner which offers an outstanding reading performance. A reading distance up to 44cm, scan speed of 200 scans/second linear mode and 56 images/second in 2D mode guarantees an outstanding scan performance.

The VEGA Area Imager is available with a number of interfaces and Bluetooth technology for the wireless model, which offers the ultimate solution for applications where mobility is required. With this there is always a solution to connect the VEGA to your system. The stand or cradle (for wireless models), interface cable and power supply (if applicable) are included as standard, so it's "ready to go". The known Scantech reliability for scanners, with high MTBF times, ensures a care free use for many years to come. It may be said that the VEGA is a high performance handheld scanner, which offers the most modern and versatile handheld scanning solution for every point of sale environment.

V-1020 / V-1020BT



Features

- Most modern, versatile and ergonomic hand held scanner for every point of sale environment.
- A 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.
- Extensive range of models: wired, wireless (Bluetooth) and all common interfaces.
- Exchangeable top cover, making it possible to present commercial messages in a very cost-efficient way.

Specification

VEGA V-1020 Area Imager

Physical Characteristics

Weight	Approx. 240 gr. (incl. cable)
Material	ABS Plastic & Rubber
Dimensions (L x W x H)	186.8 mm x 81.6 mm x 63.9 mm

Electrical Characteristics

Voltage	5VDC \pm 5%
Operating Current	450 mA @ 5 VDC
Reading Indicator	Beeper and LED
Scan Rate in 1D mode	200 scans/second and move this spec to Scanner Characteristics
Scan Rate in 2D mode	56 images/second and move this spec to Scanner Characteristics
Interface	RS232/USB/KBW
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	44 cm
Resolution	0.125mm (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. 195 gr. / 145 gr
Material	ABS Plastic & Rubber
Scanner Dimensions (L x W x H)	186.8 mm x 81.6 mm x 63.9 mm
Cradle Dimensions (L x W x H)	123.9 mm x 120 mm x 71.4 mm

Electrical Characteristics

Voltage	5 VDC \pm 5%
Operating Current	500 mA @ 5 VDC / 800 mA @ 5 VDC
Reading Indicator	Beeper and LED
Scan Rate in 1D mode	200 scans/second and move this spec to Scanner Characteristics
Scan Rate in 2D mode	56 images/second and move this spec to Scanner Characteristics
Battery	Lithium-ion 3.7 V / 1400 mA
Battery Full Charge time	4,5 hours
Scan times per Battery full charge	10,000 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 nm red LED
Depth Of Field	44 cm
Resolution	0.125mm (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	Withstands multiple drops of 1.0 m on concrete surface

Bluetooth Characteristics

Bluetooth Module	Bluetooth V2.0 Standard
Frequency Band	2.402GHz ~ 2.480GHz
Modulation Method	GFSK for 1Mbps
RF Output Power	Class 1 (Under 20 dBm) Class 2 (Under 4 dBm)
Bluetooth Distance Range	Class 1: Up to 80 meters (260 feet) line of sight in open space Class 2: Up to 10 M (33 feet)

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.