

LINEAR BARCODE DECODING

While the market is trending towards 2D barcodes, 1D barcodes are still very popular across many data captures environments. 1D barcodes are used in a variety of applications such as product identifier barcodes, packaging, and utility bills. Due to the long codes, 2D imager barcode scanners have a higher degree of difficulty in reading due to their narrow field of view and shorter depth of field. The S1-W is ideal for reading 1D linear barcodes. Additionally, this device adds the extra dimension of cordless Bluetooth technology.



PERFECT FOR MULTIPLE INDUSTRIES

The S1-W linear imager was specifically created to address the needs of customers in retail, hospitality, light manufacturing, logistics, postal, field service, and warehousing. Built with linear imaging technology and a lightweight, ergonomic design, the performance is unmatched at the affordable price point.

CORDLESS FUNCTIONALITY

Ideally suited for workers on the move, the S1-W is equipped with cordless Bluetooth technology that allows individuals to capture data off of barcodes without the cord constraint. The S1-W provides a long distance, stable Bluetooth connection that is compatible with a PC computer or smartphone.

READING CAPABILITY

The S1-W linear imager takes barcode scanning to the next level, allowing users to scan 1D barcodes faster and farther. Linear imaging technology meets or exceeds standards compared to laser scanners and provides additional advantages of a lower cost-of-ownership and greater product reliability over the long term.

FEATURES	INDUSTRY APPLICATIONS
<ul style="list-style-type: none"> • General purpose 1D linear imager scanner • High performance engine for fast reading speeds • Long-distance wireless transmission up to 100m • Onboard RAM for batch scanning and storage • Able to pair with iOS and Android devices • Ergonomic design to prevent strain from extended operation • Durable anti-shock design 	<ul style="list-style-type: none"> • Retail (Point of Sale) • Hospitality (Point of Sale) • Light Manufacturing (Work-in-process) • Logistics (Shipping/Receiving) • Warehouse (Inventory Control) • Postal, Banks, Public Administration, Utilities (Asset Tracking)



TECHNICAL SPECIFICATIONS

DECODING CAPABILITY

1D / LINEAR CODES	UPC/UPC-E, EAN, Coda bar, Code 39, Code, 93, Code 32, Code 128, Matrix 2 of 5, Interleaved 2 of 5, Industrial 2 of 5, MSI/Plessey, Telepen, GS1 Data bar, all standard 1d barcodes.
SCAN TYPE	Linear CCD IMAGER
SCAN SPEED	270 scans / s
PRECISION	3 mil (Code 39), PCS = 90%

OPTICAL

LIGHT SOURCE	660 nm Visible Red LED
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ENVIRONMENTAL

OPERATING TEMP	-20° C – 50° C
STORAGE TEMPE	-40° C – 70° C
RELATIVE HUMIDITY	5% – 95% RH non-condensing
SHOCK RESISTANCE	3 m drops

ELECTRICAL

VOLTAGE	DC 5 V ± 5%
CURRENT	< 135 mA (operating)
LITHIUM BATTERY	2200 mA
BATTERY LIFE	5.5 h
CHARGING MODE	Point-contact

PHYSICAL

DIMENSIONS	85 mm x 62 mm x 154 mm
WEIGHT	190 g
HOUSING MATERIAL	PC + abs plastic
CABLE LENGTH	1 m

GENERAL

INTERFACE	USB HD / USB-COM
INDICATOR	LED, Buzzer
FREQUENCY	Bluetooth V2.1 + EDR (class 1)
TRANSMISSION	≤ 100 m open yard
STORAGE	512 KB
PAIRING MODE	One-to-one, many-to-one, one-to-many (max 7 channels)
RECEIVING END	Dedicated Bluetooth receiving base, Android / iOS mobile services

DECODING RANGES

3 mil	Minimum Resolution
4 mil	7 - 25 cm
5 mil	6 - 26 cm
6 mil	5 - 30 cm
7 mil	3 - 33 cm
8 mil	3 - 35 cm
10 mil	3 - 34 cm
12 mil	2.6 - 46 cm
16 mil	5 - 49 cm
20 mil	5 - 56 cm
30 mil	6 - 66 cm