2D IMAGING TECHNOLOGY

The popularity of reading barcodes off of smartphone and loyalty cards has spread across all market segments of the data capture industry. Now, with more affordable pricing and virtually no drawbacks with area imaging technology, 2D barcode scanners are in high demand as businesses begin to futureproof their scanning technology and optimize their marketing capabilities with QR and other 2D barcodes. The S2-W adds the extra dimension of cordless Bluetooth technology.

PERFECT FOR MULTIPLE INDUSTRIES

The S2-W 2D imager was specifically created to address the needs of customers in retail, light manufacturing, logistics, hospitality, and warehousing. Built with 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 S2-W is equipped with cordless Bluetooth technology that allows individuals to capture data off of barcodes without the cord constraint. The S2-W provides a long distance, stable Bluetooth connection that is compatible with a PC computer or smartphone.

READING CAPABILITY

The S2-W imager reads typical printed linear barcodes as well as complex 2D barcodes displayed on the screen of a mobile device or loyalty card. The S2-W imager provides a fast, precise and reliable scan.

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

- Long distance, stable Bluetooth connection
- Easy to connect to your phone or computer
- Rich decoding types and long battery life
- Keyboard that supports more than 20 languages
- Fast and accurate scanning
- Ergonomic design to prevent strain from extended operation
- Durable anti-shock design

INDUSTRY APPLICATIONS

- 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/EAN, UPC/EAN with Supplemental, Bookland EAN, ISSN,UCC Coupon Extended Code,Code 128,GS1-128, ISBT 128, Code 39, Code, 93, Full ASCII, Trioptic Code 39, Code 32, Code 11, Code bar, Matrix 2 of 5, Interleaved 2 of 5, Discrete 2 of 5, MSI, Chinese 2 of 5, GS1 Data bar Variants, Korean 3 of 5, ISBT Concat.
2D CODES	PDF417, MicroPDF417, Composite Codes, TLC-39, Data Matrix, Maxi Code, QR Code, Micro QR, Aztec.

TRANSMISSION

OPERATING FREQUENCY	V2.1+EDR (class 1)
TRANSMISSION DISTANCE	≤ 100 open yards

ENVIRONMENTAL

OPERATING TEMPERATURE	-20° C – 50° C
STORAGE TEMPERATURE	-40° C – 70° C
RELATIVE HUMIDITY	5 – 95% (non-condensing)
DROP RESISTANCE	3 m drops on to concrete

ELECTRICAL

VOLTAGE	DC 5 V ± 1%
CURRENT	400 mA (operating)
LITHIUM BATTERY	2200 mA
BATTERY WORKING TIME	5.5 hours
CHARGING MODE	Point-contact

PHYSICAL PARAMETERS

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

SCAN PERFORMANCE

LIGHT SOURCE	617nm LED Aimer, White LED
SCAN TYPE	Image CMOS
SCAN SPEED	> 25 inch / 63 cm per second
SCAN METHOD	Manually / successfully scanning
SCAN ANGLE	60°, 360° rotation, 60° pitch
ERROR RATE	< 1/500 million
PRECISION	Code 39: 4.8 mil, UPC60%: 5 mil, PDF417: 5 mil, Data Matrix: 7.5 mil
STORAGE ABILITY	512 KB
PAIRING MODEL	One-to-one, many-to-one, one-to-many (7 channels max)
RECEIVING END	Dedicated Bluetooth base, Android and iOS devices
DEPTH OF FIELD	5-390 mm

DECODING RANGES

3 mil	617nm LED Aimer, White LED
4 mil	8-20 cm
5 mil	6-45 cm
6 mil	6-50 cm
7 mil	5-52 cm
8 mil	5-57 cm
10 mil	4.5-59 cm
12 mil	4-60 cm
16 mil	4.5-65 cm
20 mil	4.5-69 cm
30 mil	4.5-75 cm