

## 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-P adds the extra dimension of being a fixed scanner that can sit on the counter.

## PERFECT FOR MULTIPLE INDUSTRIES

The S2-P 2D imager was specifically created to address the needs of customers in retail, hospitality, entertainment, and other industries. Built with imaging technology and a small footprint, the performance is unmatched at the affordable price point.

## FLEXIBLE AND MULTI-FACETED

Whether you need to scan printed barcodes on paper labels or mobile barcodes on the screen of a smartphone, the S2-P is your ideal barcode presentation scanner. You get the versatility to scan any 1D or 2D barcode from the paper printed labels in retail that identify products and pricing at the register to mobile coupons, loyalty/gift cards, boarding passes and even theater tickets. The S2-P provides all the features you need to keep your workers productive: industry-leading scanning speed, true point-and-shoot scanning simplicity (no need to align the barcode and scanner), and omnidirectional hands-free flexibility.

## READING CAPABILITY

The S2-P 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-P 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

- Supports both single-line and omni-directional scanning
- Up to 1,500 scans/second on 20 laser scan line and 75 scans/second on single scan mode
- High performance motor
- USB interface
- Supports keyboard output for more than 20 countries
- IP54 rating and 1.5m drop resistance
- Scans damaged and dirty barcodes



## TECHNICAL SPECIFICATIONS

### DECODING CAPABILITY

1D / LINEAR CODES	Code 39, Code 39 Full ASCII, Trioptic, Code 32 (Italian Pharmacode), Code 128, (Standard, Full ASCII, UCC/EAN-128, ISBT-128 Concatenated), Code 93, Codeabar/NW7, Interleaved 2 of 5, Descrete 2 of 5, IATA Chinese 2 of 5, Matrix 2 of 5, Code 11), MSI Plessey, GS1Databar, (Omnidirectional, Truncated, Stacked, Stacked Omnidirectional, Limited, Expanded, Expanded Stacked)
2D CODES	MaxiCode, Data Matrix, Data Matrix inverse, QR Code, QR Inverse, Micro QR Code, Aztec Code, Aztec Inverse, Postal Code
PDF417	PDF417 (Standard, Macro), MicroPDF417 (Standard, Marco), Composite Code (CC-A, CC-B, CC-C)
POSTAL	U.S. Posnet and Planet, U.K. Post, Japan Post, Australian Post, Netherlands KIX Code, Royal Mail 4 State Customer, UPU FICS 4 State Postal, USPS 4CB

### OPTICAL

OPTICAL SYSTEM	752 H x 480 V pixels (wide VGA)
LIGHT SOURCE	Aiming Pattern: single dot, 625 nm LED
ILLUMINATION	630 nm LED
AMBIENT LIGHT	Maximum 86, 100 Lux (direct sunlight)
RESOLUTION	4 mil (Code 39), 7.5 mil (Data Matrix), 5 mil (PDF 417)
FOCUSING DISTANCE	Up to 267 mm
FIELD OF VIEW	Horizontal: 46.1°, Vertical: 30.4°
INDICATOR	LEDs, Speaker

### ENVIRONMENTAL

OPERATING TEMP	0° C – 40° C (32° F - 104° F)
STORAGE TEMPE	-40° C – 70° C (-40° F - 158° F)
OPERATING HUMIDITY	10% – 95% RH non-condensing 122° F / 50° C
STORAGE HUMIDITY	10% – 85% RH non-condensing 158° F / 70° C
SHOCK RESISTANCE	1.5 m drops

### ELECTRICAL

VOLTAGE	DC 5 V
CURRENT	< 260 mA

### PHYSICAL

DIMENSIONS	140 mm (L) x 73 mm (W) x 70 mm (H)
WEIGHT	300 g (including cable weight)
HOUSING MATERIAL	PC + abs plastic

### GENERAL

INTERFACE	USB HD / RS-323 / USB-COM
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### DECODING RANGES

3 mil	Minimum Resolution
4 mil	6 - 22 cm
5 mil	6 - 26 cm
6 mil	5 - 28 cm
7 mil	5 - 32 cm
8 mil	5 - 36 cm
10 mil	4.5 - 42 cm
12 mil	4 - 46 cm
16 mil	5 - 47 cm
20 mil	5 - 50 cm
30 mil	4.5 - 62 cm