PRODUCT SPEC SHEET
ZEBRA SE4710

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NEXT GENERATION INTELLIGENT IMAGING IN THE SMALLEST FOOTPRINT YET

EMPOWER YOUR SMALLEST DEVICES WITH NEXT GENERATION IMAGING PERFORMANCE

The SE4710 offers unparalleled 1-D and 2-D bar code capture in the tiniest package yet, allowing you to empower your slimmest and lightest devices with the split-second reliable bar code capture required in the most scan intensive tasks. At less than one fifth of an ounce (5 grams) and two thirds of the height and volume of the typical competitive engines, this tiny imager allows you to eliminate undesirable design constraints, such as the typical " scanner bump". The result? Your product designs can offer the sleek lines today's customers demand. And with our patented, proprietary PRZM (pronounced "prism") Intelligent Imaging technology, industry leading decoding algorithms and advanced focusing, optical and illumination systems, your customers can count on class-leading high-performance data capture they need to boost worker productivity and efficiency.

PRZM: A NEW APPROACH TO IMAGING FOR FASTER-THAN-EVER BAR CODE CAPTURE

While competitive systems rely on decode software to perform all image processing, PRZM changes the game by offloading a portion of that processing to the source of the image — the scan engine itself — reducing unnecessary delay and delivering a faster data capture experience. This unique approach helps businesses in just about any industry improve user productivity and business efficiency

SUPPORT FOR THE NEXT GENERATION MIPI INTERFACE

Unlike its major competitors, the SE4710 supports the emerging MIPI interface as well as traditional parallel interfaces . Now, you can utilize the latest processors in your designs without sacrificing cost, integration time, or precious space for incremental hardware components. The result? Faster time to market and reduced costs.

SUPERIOR DECODE FLEXIBILITY

When you choose the SE4710, not only do you get the thinnest form factor, you also have the flexibility to choose the decoder strategy that best fits your product designs — software or hardware. Our software decode option allows you to further reduce space and system power requirements — ideal in the smallest of designs. Hardware options include two standalone circuit boards that connect to your board or a microchip that you can solder directly to your motherboard

EXTRAORDINARY WORKING RANGE

The standard scanning range on the SE4710 is anything but standard. Users can capture data that is farther than 24 in./60 cm away — significantly farther than other products twice its size. And with a wide field of view, the SE4710 can easily capture larger bar codes.

PROVEN TECHNOLOGY YOU CAN COUNT ON

When you choose the SE4710, you get the peace of mind that comes from choosing superior, well-tested technology. Every day, all around the world, our OEM products power millions of devices in thousands of applications across industries. You enjoy award-winning data capture technology, ease of integration, high reliability and superior performance, enabling the rapid, cost-effective design of more profitable high-quality data capture solutions.

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FEATURES

Class-leading miniature, lightweight form factor

At less than a fifth of an ounce/5 grams and a third of an inch high/8.1 mm high, the SE4710 brings enterprise-class data capture to extremely slim devices — including smartphones and sleds.

Zebra-exclusive PRZM Intelligent Imaging technology

Offloads a portion of the processing from the decode software to the scan engine, reducing processing time and enabling faster data capture

Support for MIPI and parallel interfaces

Reduces integration time and cost by eliminating components

Unparalleled bar code capture

Capture virtually any 1-D or 2-D bar code in milliseconds

Extraordinary working range

Capture bar codes from near contact to farther than 24 in./ 60 cm away

Wide field of view

Easy close-up reading of large bar codes as well as multiple bar codes

Omnidirectional scanning for unparalleled ease of use

No need to ever align the bar code and imager for highly

To find out how you can empower your slimmest designs with powerful next generation imaging, please visit **www.zebra.com/se4710** or access our global contact directory at **www.zebra.com/contact**

SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Dimensions	0.32 in. H x 0.88 in. W x 0.54 in. D 8.1 mm H x 22.3 mm W x 13.7 mm D
Weight	0.17 oz./4.8 grams
Interface	Camera Port on 27 pin ZIF connector

PERFORMANCE CHARACTERISTICS

Sensor Resolution	1280 x 800 pixels
Field of View	Horizontal: 42°, Vertical: 28°
Skew, Pitch & Roll	Skew Tolerance: ±60° Pitch Tolerance: ±60° Roll Tolerance: 360°
Focal Distance	From front of engine: 7.64 in.
Aiming LED	610nm LED
Illumination	1 Hyper Red 660nm LED

USER ENVIRONMENT

Ambient Light	Max 107,639 lux (direct sunlight)
Operating Temp.	-4° F to 122° F/ -20° C to 50° C
Storage Temp.	-22° F to 158° F/-30° C to 70° C
Humidity	Operating: 95% RH, non-condensing at 122° F /50° C Storage: 85% RH, non-condensing at 158° F/70° C
Shock Rating	2000 G ±5%, any mounting surface, at -22° F and 140° F/-30° C and 60° C for 0.85 ± ms; 2500 G ±5%, any mounting surface, at 73.4° F/23° C for 0.70 ±0.10 ms
Power	Operational input voltage Engine: VCC= 3.3 +/-0.3V; VCC_ILLUM= 3.0 to 3.6V; VDD_IO_HOST= 1.7 to 3.6V Total Current Draw (VCC= VCC_ILLUM=VDD_IO_HOST= 3.3V) with Illumination and aiming on, = 295mA pk, 230mA RMS

DECODE RANGES

4 mil Code 39	3.3 in./8.4 cm (Near) 8.8 in./22.4 cm (Far)
5 mil Code 128	2.8 in./7.1 cm (Near) 8.2 in./20.8 cm (Far)
5 mil Code 39	2.0 in./5.08 cm (Near) 13.5 in./34.3 cm (Far)
5 mil PDF417	3.1 in./7.9 cm (Near) 8.4 in./21.3 cm (Far)
10 mil DataMatrix	2.9 in./7.4 cm (Near) 10.1 in./25.7 cm (Far)
100% UPCA	1.8* in./4.6* cm (Near) 26.0 in./66.0 cm (Far)
20 mil Code 39	2.0* in./5.08* cm (Near) 30.0 in./76.2 cm (Far)

*** Field of View limited**

REGULATORY

LED Classification	Exempt Risk Group LED product per IEC/EN 62471
Electrical Safety	Complies with IEC/EN 60950-1 + A1 and UL 60950-1 Second Edition and CSA C22.2 No. 60950-1-07, 2nd Edition 2011-12
Environmental	RoHS Compliant

WARRANTY

Subject to the terms of Zebra's hardware warranty statement, the SE4710 is warranted against defects in workmanship and materials for a period of 15 months from the date of shipment. For the complete Zebra hardware product warranty statement, go to: http://www.zebra.com/warranty

intuitive and rapid bar code capture

Multiple decode options with the same great Zebra scanning performance

Increase design flexibility with your choice of two separate circuit boards or a microchip that can be mounted to the motherboard

Pick list mode

Small and sharp aiming dot enables users to easily select a single bar code to capture on a field of bar codes

LED aimer

Helps speed regulatory approval to help you bring your products to market faster

Current draw in low power (hibernate mode) =400uA (standby mode) =1uA

ZEBRA TECHNOLOGIES