ZEBRA SE330X

REDUCE PRODUCT DEVELOPMENT COST AND IMPROVE YOUR MARGINS

HIGH PERFORMANCE COST-EFFECTIVE ENTERPRISE-CLASS SCANNING

When your products need to capture 1-D and 2-D bar codes, the SE330X scan engine delivers the same high-quality performance that drives Zebra's continued leadership in the bar code scanning industry ' all in a very affordable package. You get first-time every time scanning of even damaged and poorly printed bar codes; the ability to read bar codes that are printed on paper labels or displayed on the screen of a mobile phone or computer; and the rapid scanning speed that protects worker productivity and the customer experience. With the SE330X, you can create products that will make a difference for your customers ' and their customers. Create kiosks and handheld mobile devices that can scan lottery tickets, coupons and loyalty cards displayed on mobile phones that improve customer service quality and self-checkout times. And help reduce errors and improve care quality with bar code-enabled medical equipment, such as insulin meters and blood carousels.

BAR CODE SCANNING MADE EASY FOR WORKERS AND CUSTOMERS

When workers or customers are scanning bar codes, the SE330X makes it easy ' no training is required. Users do not need a steady hand or to pause between scans. There is no need to align bar code and scanner. The bright LED dot makes it easy to aim. The result is easy first-time every-time capture of bar codes that are near and far.

SIMPLE TO INTEGRATE

Numerous features make it easy to integrate the SE330X, from flexible mounting options and thorough documentation to a scan engine development board. With a multitude of software configuration options, you can easily optimize the performance of the SE330X for your application ' from scan timing to the ability to customize the brightness of the aiming pattern and illumination to fit different available light levels.

DECODE OPTIONS PROVIDE MAXIMUM INTEGRATION FLEXIBILITY

Hardware and software decode options allow you to choose the decoder strategy that best fits your product designs. Our PL3307 hardware decoder family allows you to choose the form factor that best meets the needs of your product designs ' a standalone circuit board that connects to your board or a microchip that is soldered to your main circuit board. Want it already integrated? Choose the SE3307, which comes with the decoder already embedded and ready to go. And if component costs, battery power and product margins are a concern, we offer a purely software decode option ' no hardware required.

For more information on how the high-performance SE330X scan engine can improve your products and your margins, visit **www.zebra.com/se3300** or access our global contact directory at **www.zebra.com/contact**

SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Dimensions	SE3300: 0.67 in. H x 1.18 in. W x 0.68 in. D 17 mm H x 30 mm W x 17.3 mm D SE3307: 0.67 in. H x 1.18 in. W x 1.02 in. D 17 mm H x 30 mm W x 26 mm D
Weight	SE3300: 0.22 oz./6.1 g SE3307: 0.36 oz./10.2 g
Interface	SE3300: Camera port on 21-pin ZIF connector SE3307: 31-pin ZIF connector (0.3 mm pitch), micro USB B

PERFORMANCE CHARACTERISTICS

Sensor Resolution	752 x 480 pixels
Field of View	SR, HD: Horizontal - 40°, Vertical - 25° WA: Horizontal - 46°, Vertical - 30°
Angular Tolerance	Skew: ±60°; Pitch: ±60°; Roll: 360°
Aiming LED	617 nm LED, dot optical power: 0.19 mW typical
Illumination	2x 625 nm LEDs

USER ENVIRONMENT

Operating Temp.	-22° F to 122° F/-30° C to 50° C
Storage Temp.	-40° F to 158° F/-40° 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
Ambient Light	Maximum 86,100 Lux. (direct sunlight)
Power	SE3300: Operational input voltage: Engine: 3.3V ±10%; Current draw with illumination and aiming: 250 mA (WA), 275 mA (SR, HD) SE3307: Operational input voltage: 3.3V +-10% or 5V +/- 10%; Current Draw: 280 mA avg. during scanning, 3.3V input)
Shock Rating	2000 G ±5%, any mounting surface, at 32°, 68°, 122° F/ 0°, 20° and 50° C for 0.85 ±0.05 ms

DECODE RANGES

Typical Working Ranges

SR Focus Range

5.0 mil Code 39	**Near:** 1.5 in./3.8 cm **Far:** 8.2 in./20.8 cm
6.67 mil PDF417	**Near:** 2.2 in./5.5 cm **Far:** 7.5 in./19.1 cm
10 mil Datamatrix	**Near:** Field of view limited **Far:** 8.9 in./22.7 cm
100% UPC-A	**Near:** 1.9 in./4.9 cm **Far:** 17.5 in./44.4 cm
15 mil PDF417	**Near:** Field of view limited **Far:** 14.4 in./36.6 cm

WA Focus Range

5.0 mil Code 39	**Near:** 1.7 in./4.3 cm **Far:** 7.0 in./17.7 cm
6.67 mil PDF417	**Near:** 2.2 in./5.5 cm **Far:** 6.5 in./16.6 cm
10 mil Datamatrix	**Near:** Field of view limited **Far:** 7.6 in./19.3 cm
100% UPC-A	**Near:** 1.6 in./4.2 cm **Far:** 13.2 in./33.5 cm
15 mil PDF417	**Near:** Field of view limited **Far:** 10.7 in./27.2 cm

WA Focus Range

3 mil Code 39	**Near:** 1.5 in./3.8 cm **Far:** 5.0 in./12.6 cm
4 mil PDF417	**Near:** 1.8 in./4.6 cm **Far:** 3.9 in./10.0 cm
5 mil Code 39	**Near:** 1.1 in./2.7 cm **Far:** 6.3 in./15.9 cm
5 mil Datamatrix	**Near:** 1.7 in./4.4 cm **Far:** 4.0 in./10.3 cm
6.67 mil PDF417	**Near:** 1.3 in./3.4 cm **Far:** 4.9 in./12.5 cm

REGULATORY

Laser Classification	Intended for use in CDRH Class II/ IEC 825 Class 1M devices
Electrical Safety	UL, VDE, and CU recognized component
Environmental	Compliant with RoHS

WARRANTY

Subject to the terms of Zebra's hardware warranty statement, the SE330X 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: www.zebra.com/warranty

ZEBRA

ZEBRA TECHNOLOGIES