

SE3300 Scan Engine

Familia compatible: SE3300

Fuente: Zebra Technologies

<https://www.zebra.com/us/en/products/spec-sheets/oem/oem-engines/se330x.html>

Fecha de consulta: 2026-07-29

Resumen

When workers or customers are scanning bar codes, the SE3300 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.

Numerous features make it easy to integrate the SE3300, 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 SE3300 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.

Hardware and software decode options allow you to choose the decoder strategy that best fits your product designs. Our PL5500 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.

Patent-pending fast-pulse illumination eliminates hand jitter and enables rapid-fire continual bar code scanning

The standard model is ideal for handheld use, and offers the longest read range; the wide angle model is designed for fixed-mount and public-facing applications; the high-density model excels at reading the small and very dense bar codes common in component manufacturing and healthcare

Especificaciones publicadas

Specifications

Dimensions	SE3300: 0.67 in./17 mm H x 1.18 in./30 mm W x 0.68 in./17.3 mm D SE3307: 0.67 in./17 mm H x 1.18 in./30 mm W x 1.02 in./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

Specifications

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

Specifications

Operating Temperature	-30° to 50° C (-22° F to 122° F) (measured at engine chassis)
Storage Temperature	-40° to 70° C (-40° to 158° F)
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)

Operating Temperature	-30° to 50° C (-22° F to 122° F) (measured at engine chassis)
Shock Rating	2000 G ± 5% applied via any mounting surface at 0° C, 20° C, and 50° C for a period of 0.85 ± 0.05 msec; 1000 G ± 5% applied via any mounting surface at -30° C for a period of 0.85 ± 0.05 msec

Specifications

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

Specifications

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

Specifications

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

Specifications

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

Documento informativo normalizado por Projit a partir de la información pública indicada. Las especificaciones pueden variar según la configuración exacta del SKU; consulte la fuente para cambios posteriores.