



Zebra SE655

OEM MINIATURE 1-D SCAN ENGINE

PUT HIGH PERFORMANCE AFFORDABLE 1-D SCANNING IN YOUR HIGH-VOLUME PRICE SENSITIVE PRODUCTS

Zebra's SE655 linear CCD imager engine brings affordable 1-D scanning to a wide variety of products, without sacrificing performance. You get the same cornerstone benefits that have made Zebra the global leader in bar code scanning — scanning speed plus the ability to read poorly printed, low contrast and damaged 1-D bar codes. And you can be assured that the SE655 has the durability and shock resistance that you've come to expect from Zebra, allowing you to provide your customers with products that deliver superior uptime — and a low total cost of ownership (TCO).

SMALL 1-D ENGINE FOR MAXIMUM DESIGN FLEXIBILITY AND RAPID INTEGRATION INTO A WIDE RANGE OF PRODUCTS

Since this small low-profile 1-D scan engine is less than 0.3 inches (7.7 mm) thick, it easily fits in the smallest spaces in your product designs. The SE655 is ideal for:

PDA's for managers who need to scan a bar code to check the price on an item or shelf tag; time clocks that can automatically create accurate time cards; identity management applications to control access at entry gates; lottery kiosks; and a wide range of medical equipment, such as blood analyzers that can read bar codes on test tubes to accurately verify patient identity.

PROVEN TECHNOLOGY YOU CAN COUNT ON

When you choose the SE655, you get the peace of mind that comes from choosing superior, well-tested technology. Every day, all around the world, our scan engines are hard at work scanning millions of bar codes in thousands of applications across many industries. With the SE655 you enjoy best in class data capture technology, ease of integration, high reliability and superior performance. The result is the rapid yet cost-effective development of high-quality mobile and fixed devices that meet the needs of your customers — and better your margins.

For more information on how you can put cost-effective high performance scanning in your product designs, visit www.zebra.com/se655 or access our global contact directory at www.zebra.com/contact

FEATURES

Low profile — 0.3 in./7.7 mm

Fits in the smallest spaces for increased product design flexibility

Bright aimer and built-in LED illumination

Ensures first time easy and intuitive capture of bar codes

Reads all 1-D bar codes — including damaged and poorly printed codes

Promotes user productivity and eliminates the time and cost required to manually process errors

2000G shock rating

Ensures durability for mobile devices

Ambient light immunity: bright sunlight to complete darkness

Create products that can be used in any lighting condition — inside and outdoors

SPECIFICATIONS CHART

PHYSICAL CHARACTERISTICS		DECODE RANGES	
Dimensions	0.3 in. H x 0.94 in. W x 0.47 in. D 7.7 mm H x 23.8 mm W x 12.0 mm D	Typical	
Weight	<2 grams	Code 128 5mil	Near : 4.25 in./107.95 mm Far : 9.25 in./234.95 mm
Interface	Serial	Code 39 5mil	Near : 2.25 in./57 mm Far : 9.75 in./248 mm

PERFORMANCE CHARACTERISTICS

Scan angle	53.3° ± 3°	Code 39 7.5mil	Near : 1.50 in./38 mm Far : 12.75 in./324 mm
Field of View	Horizontal: 53° ± 3° Vertical: 0.4°	100% UPC-A	Near : 2.00* in./51 mm Far : 15.75 in./400 mm
Illumination	LED 630 ± 30 nm	Code 39 20mil	Near : 1.50* in./38 mm Far : 24.0 in./610 mm
Skew tolerance	± 30° from normal	Guaranteed	
Pitch tolerance	± 65° from normal	Code 128 5mil	Near : 3.90 in./99 mm Far : 6.25 in./159 mm
Roll tolerance	± 25° from vertical	Code 39 5mil	Near : 3.15 in./80 mm Far : 8.00 in./203 mm
Optical resolution	5 mil	Code 39 7.5mil	Near : 2.50 in./64 mm Far : 10.25 in./260 mm
Scan repetition rate	Nominally 50 scans/second	100% UPC-A	Near : 2.25 in./57 mm Far : 11.00 in./279 mm
Minimum Print Contrast	20% MRD measured at 630 nm	Code 39 20mil	Near : 2.00* in./51 mm Far : 18.25 in./464 mm
Power on to first scan	300 milliseconds		

USER ENVIRONMENT

Ambient Light	0 ft. candles (0 Lux) to 10,000 ft. candles (110,000 Lux)
Operating Temp.	-4° to 122° F/-20° to 50° C
Storage Temp.	-40° to 158° F/-40° to 70° C
Humidity	Operating: 5% – 95% non-condensing
Power	Camera/Aim Input Voltage: 3.3V ± 0.3V Camera/Aim Operating Current: 165mA Low Power Current: 115A typical Power Supply Noise: 100mV p-p max.
Shock	2000 G

REGULATORY

Classification	Intended for use in CDRH Class I/IEC Class 1 devices
Electrical Safety	UL, VDE, and CUL recognized
EMI/RFI	EMI- FCC Part 15 Class B, ICES-003 Class B, CISPR Class B, Japan VCCI Class B
Environmental	RoHS Compliant

Note: The distances marked with asterisk (*) are a result of the field of view (FOV) limitation.

