

# SE655 LINEAR IMAGER



**ZEBRA**

## OEM MINIATURE 1D SCAN ENGINE

PUT HIGH PERFORMANCE AFFORDABLE 1D SCANNING IN YOUR HIGH-VOLUME PRICE SENSITIVE PRODUCTS. Zebra's SE655 linear CCD imager engine brings affordable 1D scanning to a wide variety of products, without sacrificing performance. You get the same corner-tone 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 1D 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 1D ENGINE FOR MAXIMUM DESIGN FLEXIBILITY AND RAPID INTEGRATION INTO A WIDE RANGE OF PRODUCTS**

Since this small low-profile 1D 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: PDAs 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.

## 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 1D 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

**HIGH-PERFORMANCE 1D SCANNING FOR YOUR HIGH-VOLUME, PRICE-SENSITIVE PRODUCTS**

FOR MORE INFORMATION, VISIT [WWW.ZEBRA.COM/SE655](http://WWW.ZEBRA.COM/SE655) OR ACCESS OUR CONTACT DIRECTORY AT [WWW.ZEBRA.COM/CONTACT](http://WWW.ZEBRA.COM/CONTACT)

# SE655 Specifications

## PHYSICAL CHARACTERISTICS

<b>Dimensions</b>	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
<b>Weight</b>	<2 grams
<b>Interface</b>	Serial

## USER ENVIRONMENT

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

## PERFORMANCE CHARACTERISTICS

<b>Scan angle</b>	53.3° ± 3°
<b>Field of View</b>	Horizontal: 53° ± 3° Vertical: 0.4°
<b>Illumination</b>	LED 630 ± 30 nm
<b>Skew tolerance</b>	± 30° from normal
<b>Pitch tolerance</b>	± 65° from normal
<b>Roll tolerance</b>	± 25° from vertical
<b>Optical resolution</b>	5 mil
<b>Scan repetition rate</b>	Nominally 50 scans/second
<b>Minimum Print Contrast</b>	20% MRD measured at 630 nm
<b>Power on to first scan</b>	300 milliseconds

## DECODE RANGES

<b>Typical</b>	
<b>Code 128 5mil</b>	Near: 4.25 in./107.95 mm Far: 9.25 in./234.95 mm
<b>Code 39 5mil</b>	Near: 2.25 in./57 mm Far: 9.75 in./248 mm
<b>Code 39 7.5mil</b>	Near: 1.50 in./38 mm Far: 12.75 in./324 mm
<b>100% UPC-A</b>	Near: 2.00* in./51 mm Far: 15.75 in./400 mm
<b>Code 39 20mil</b>	Near: 1.50* in./38 mm Far: 24.0 in./610 mm
<b>Guaranteed</b>	
<b>Code 128 5mil</b>	Near: 3.90 in./99 mm Far: 6.25 in./159 mm
<b>Code 39 5mil</b>	Near: 3.15 in./80 mm Far: 8.00 in./203 mm
<b>Code 39 7.5mil</b>	Near: 2.50 in./64 mm Far: 10.25 in./260 mm

<b>100% UPC-A</b>	Near: 2.25 in./57 mm Far: 11.00 in./279 mm
<b>Code 39 20mil</b>	Near: 2.00* in./51 mm Far: 18.25 in./464 mm

## REGULATORY

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

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

## Ideal For These Applications:

### Industries

- Warehouse Management
- Retail
- Field Mobility
- Healthcare



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