



SE3317-WA

TURNKEY ALL-IN-ONE 1-D/2-D SCANNING SOLUTION

THE EASIEST WAY TO INTEGRATE COMPREHENSIVE SCANNING INTO YOUR CONSUMER-FACING DESIGNS

When your mission is to create equipment that will be used by consumers for self-scanning, the SE3317-WA is ready for the job. This all-in-one solution combines an imager engine, decoder and auto trigger into a ready-to-install, plug-and-play housing. Simply drop the SE3317-WA in place and connect via the USB 2.0 interface to enable high performance scanning of virtually any bar code in kiosks, ATMs, lottery terminals, self-diagnostic healthcare equipment such as blood pressure testing, self-checkout stands and more.

ARCHITECTED TO PROVIDE THE MOST INTUITIVE SCANNING FOR CONSUMERS

Since your users will be untrained, scanning needs to simply work, first time, every time. And when you choose the SE3317-WA as your scanning solution, it will. The oversized field of view allows users to present items from contact to as far as a foot (30.48 cm) away from the scanner. Once the item is presented, no other action is necessary — the infrared proximity sensor detects when an item is in the field of view and automatically triggers the scan. With omnidirectional scanning, users never need to orient the bar code and scanner — the SE3317-WA will capture the bar code regardless of how it is presented. And since the SE3317-WA is made by Zebra, your customers get the same high-quality scanning that has made Zebra the leader in the bar code industry — even bar codes that are damaged or poorly printed can be captured on the first pass.

READY FOR THE BAR CODES OF TODAY AND TOMORROW

The SE3317-WA is ready to scan virtually any bar code consumers might present. It can capture 1-D and 2-D bar codes, regardless of whether they are printed on paper or displayed on the screen of a mobile phone.

PROVEN TECHNOLOGY AND A PROVEN OEM PARTNER

When you choose the SE3317-WA, 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, allowing you to rapidly create cost-effective high-quality solutions that meet the needs of your customers — and improve your margins.

Easily and cost-effectively empower your consumer-facing designs with comprehensive

easy-to-use highly intuitive scanning. To find out how, visit

www.zebra.com/SE3317

or access our global contact directory at www.zebra.com/contactus

FEATURES

Captures 1-D and 2-D bar codes and images

Flexibility to support many applications

Excellent motion tolerance

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

Three models for application flexibility

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

Omni-directional scan pattern

No need to align bar code and scanner, ensuring user comfort and protecting worker productivity

Unique LED aiming system

Focused amber-colored crisp 'spot' for accurate aiming and first time bar code capture

Flexible mounting options

Can be mounted from top or bottom

SPECIFICATIONS

PHYSICAL CHARACTERISTICS		PERFORMANCE CHARACTERISTICS	
Dimensions	2.42 in. H x 3.09 in. W x 3.82 in. D 61.3 mm H x 78.4 mm W x 96.9 mm D	Sensor Resolution	Wide VGA: 752 H x 480 V pixels Gray Scale: 256 levels (8 bits per pixel)
Weight	2.45 oz. / 70 grams	Focusing Distance	4.5 in. / 11.5 cm from front of engine
Interface	Micro USB-B	Field of View	35.4° horizontal, 32.4° vertical
USER ENVIRONMENT		Angular Tolerance	Skew: ±60°; Pitch: ±60°; Roll: 360°
Operating Temp.	-22° F to 122° F/-30° C to 50° C	Aiming LED	Dot Optical Power: 0.19 mW typical
Storage Temp.	-40° F to 158° F/-40° C to 70° C	Illumination	625 ± 5 nm (dominant wavelength)
Humidity	Operating: 95% RH, non-condensing at 104° F/40° C Storage: 85% RH, non-condensing at 158° F/70° C	Pattern Angle	60° x 40° at 80% center intensity
Ambient Light	8000 ft. candles (86,100 lux)	Optical Resolutions	4.0 mil (Code 39), 5.0 mil (PDF417), 7.5 mil (Data Matrix)
Power	Operating voltage: 5VDC ±0.5V Operating current (Idle): 180mA peak, 90mA average Operating current (Decoding): 450mA peak, 250mA average	USER ENVIRONMENT (CONTINUED)	
Max. Power Supply Noise*	100 mVp-p - bar code and image capture applications, host supply = 5 VDC via USB (at 73.4° F/23° C)	Shock Rating*	250 G applied via PCB clamped to shock plate at 73.4° F/23° C for a period of 1.75 ± 2.5 msec (all three axes in + and -)
REGULATORY		Vibration Rating*	Unpowered SE3317-WA withstands a standard POS random vibration along each of the X, Y, and Z axes for a period of one hour per axis, applied via PCB clamped to shock plate, defined as follows: 20 Hz to 2 KHz at 0.02 G ² /Hz
LED Safety Class	IEC Class 1M	WARRANTY	
ESD	± 2 kV @ connector	Subject to the terms of Zebra's hardware warranty statement, the SE3317-WA 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	
Environmental	Compliant with RoHS		

DECODE RANGES

BAR CODE SPECIFICATIONS	NEAR DISTANCE TYPICAL	FAR DISTANCE TYPICAL
UPCA, 13.0 mil, 80% MRD	Contact read	9.55 in./24.26 cm
PDF417, 6.67 mil, 80% MRD	Contact read	2.75 in./6.99 cm

Code 128, 15.0 mil, 80%
MRD

Contact read

7.5 in./19.05 cm

• ~~Do not use any adhesive or other fastening method to attach the module to the chassis.~~

* For shock and vibration, performance improves if the module is mounted via 5x grommets, which act as a shock mounting feature.



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