



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

MOTOROLA SE3317-WA

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 Motorola, your customers get the same high-quality scanning that has made Motorola 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 1D and 2D 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.

FEATURES

Capture any bar code — printed or electronic

Capture 1D and 2D bar codes displayed on the screen of a mobile phone or printed on paper labels or plastic loyalty cards — even if they are damaged or poorly printed

Omnidirectional scanning

Easy and intuitive — there is never a need to orient the bar code under the scanner

Advanced auto trigger

The infrared proximity sensor instantly detects when an item is presented and automatically triggers the scan

Wide angle VGA

A large oversized field of view helps ensure successful scanning for untrained users

Simple plug-and-play interface

The full-speed micro USB 2.0 interface makes integration easy

Unique LED aiming system

Large aiming 'spot' is ideal for easy aiming in fixed and public-facing installations

Easily and cost-effectively empower your consumer-facing designs with comprehensive easy-to-use highly intuitive scanning. To find out how, visit www.motorolasolutions.com/SE3317 or access our global contact directory at www.motorolasolutions.com/contactus

SPECIFICATIONS

PHYSICAL 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
Weight	2.45 oz. / 70 grams
Interface	Micro USB-B

PERFORMANCE CHARACTERISTICS

Sensor Resolution	Wide VGA: 752 H x 480 V pixels Gray Scale: 256 levels (8 bits per pixel)
Focusing Distance	4.5 in. / 11.5 cm from front of engine
Field of View	35.4° horizontal, 32.4° vertical
Angular Tolerance	Skew: ±60°; Pitch: ±60°; Roll: 360°
Aiming LED	Dot Optical Power: 0.19 mW typical
Illumination	625 ± 5 nm (dominant wavelength)
Pattern Angle	60° x 40° at 80% center intensity
Optical Resolutions	4.0 mil (Code 39), 5.0 mil (PDF417), 7.5 mil (Data Matrix)

USER ENVIRONMENT

Operating Temp.	32° F to 104° F/0° C to 40° C
Storage Temp.	-40° F to 158° F/-40° C to 70° C
Humidity	Operating: 95% RH, non-condensing at 104° F/40° C Storage: 85% RH, non-condensing at 158° F/70° C
Ambient Light	8000 ft. candles (86,100 lux)
Power	Operating voltage: 5VDC ±0.5V Operating current (Idle): 180mA peak, 90mA average Operating current (Decoding): 450mA peak, 250mA average
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)

USER ENVIRONMENT (CONTINUED)

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 -)
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

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

- Distances are measured starting at 2 inches forward the center axis of the front grommet dowels on the module chassis.
- Decode ranges are tested using photographic quality bar codes, pitch 20 ± 1° with respect to optical axis.
- Bar code surfaces should be illuminated at ambient light of >15 ft.cd.
- All UPCs read security level = 1.

REGULATORY

LED Safety Class	IEC Class 1M
ESD	± 2 kV @ connector
Environmental	Compliant with RoHS

WARRANTY

Subject to the terms of Motorola'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 Motorola hardware product warranty statement, go to: www.motorolasolutions.com/warranty

THE SE3317-WA IS IDEAL FOR:

- Kiosks
- ATM machines
- Payment and lottery terminals
- Identity verification kiosks
- Customer-facing diagnostic healthcare equipment, such as blood pressure testing

TARGET MARKETS

- Retail
- Hospitality
- Healthcare
- Gaming
- Banking

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