ZEBRA
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Zebra SmartLens™ Gen II for Retail Sensors

A sensor for every area in your store

Zebra SmartLens for Retail is a multi-faceted solution that provides retailers with the ability to sense, analyze and take the right real-time actions to increase sales, enable successful omni-channel operations and reduce shrink and operational costs. The foundation of this ground-breaking solution is the family of sensors that automatically sense and record the location and movement of merchandise and assets throughout the retail store. These overhead RFID sensors are designed for different areas of your store, including the backroom, exit/entry points, the sales floor and Point of Sale (POS).

This high-performance advanced fixed RFID reader is designed to handle high tag volumes with increased accuracy and read rates. Installation is simple, and Power-over-Ethernet (PoE) eliminates the need to install power outlets — ideal for typical complex backroom environments. And deployment is simple — just turn on the device and you're up and running.

Sensing Network Appliance (SNAP) SmartLens Sensor

Track inventory on the sales floor

The SNAP SmartLens Sensor is loaded with the technology you need to obtain unprecedented real-time visibility into what is happening on your sales floor. Track the movement of items with the integrated high-performance RFID reader. These overhead sensors are designed to accommodate different store ceiling types and heights. And sensor housings can be customized to complement your store's architecture and aesthetics.

Point of Sale (POS) SmartLens Sensor

Track inventory at your POS

This sensor logs items passing through your POS. With a highly localized antenna technology, a POS SmartLens Sensor can be installed at every POS, without risking interference. Inventory accuracy and visibility into shrink improve. And your POS and Transition Point SmartLens Sensors work hand-in-hand to identify items exiting your store that have not traveled through a POS, alerting you to potential theft — before it happens.

Transition Point SmartLens Sensor

Track inventory as it moves through entry/exit points
When inventory moves through receiving and entry/exit points, you need to know which direction it is traveling to understand where it is headed. The Transition Point SmartLens sensor does just that. Industry-leading RFID technology collects the data needed to easily identify whether items are entering or leaving an area. And with flexible options that enable you to install this sensor on a wall or suspend it from the ceiling, it's easy to deploy the Transition Point SmartLens sensor in virtually any retail environment.

Backroom SmartLens Sensor

Track inventory in the backroom from the moment it arrives
This RFID sensor starts the tracking cycle by detecting and recording the movement of RFID-tagged inventory from the moment it enters your backroom to the moment it leaves.

Make your store a smart store with SmartLens for Retail — only from Zebra.
For more information, please visit www.zebra.com/smartlens

SmartLens Gen II for Retail Sensors Specifications

Retail Use Cases

Automated inventory/ tracking
- Real-time inventory
- Product location
- Dynamic replenishment
- POD/delivery validation
- Vendor compliance
- Planogram compliance
- Markdown management

In-store fulfillment
- Click & Collect/ BOPIS/Reserve
- Ship from store
- Optimize picking process

Asset protection
- Point of sale bypass detection
- Administrative shrink
- Identify return fraud
- Asset tracking

Sensing Network Appliance (SNAP) SmartLens Sensor

Physical Characteristics	**Dimensions:** 21.3 in. x 21.3 in. x 7.8 in. 541 mm x 541 mm x 197 mm **Weight (SN5604):** 10.5 lbs/4.8 kg
Environmental Characteristics	**Operating temp:** 32º F to 122º F/0º C to 50º C **Storage temp:** 40º F to 158º F/-40º C to 70º C **Humidity** : 85% RH, non-condensing at 70º C **ESD:** ± 8 kV air discharge; ± 6 kV contact discharge
RFID Reader	**Air protocols:** EPCglobal UHF Class 1 Gen2, ISO 18000-6C **Frequency:** Global Reader: 902 MHz – 928 MHz (North America); 865 MHz – 868 MHz (EU) US (only) Reader: 902 MHz-928 MHz **Radiated power:** Up to 4W EIRP **Memory:** Flash 512 MB; DRAM 256 MB **Management protocols:** RM 1.0.1 (with XML over HTTP/HTTPS and SNMP binding); RDMP **Network services:** DHCP, HTTPS, FTPS, SFPT, SSH, HTTP, FTP, SNMP and NTP **Network stack:** IPv4 and IPv6 **Security:** Transport Layer Security Ver 1.2, FIPS-140
Ethernet Ports	**Input:** Ethernet auto sensing/negotiation 802.3af/ at compliant port for SNAP communication and power supply

Transition Point SmartLens Sensor

Physical Characteristics	**Dimensions (ST5500):** 47.0 in. x 22.0 in. x 9.0 in. 1194 mm x 559 mm x 229 mm **Weight (ST5500):** 23 lbs/10.4 kg
Environmental Characteristics	**Operating temp:** -4º F to 131º F/-20º C to 55º C **Storage temp:** -40º F to 158º F/-40º C to 70º C **Humidity:** 95% RH non-condensing **ESD:** ± 15 kV air discharge; ± 8 kV direct discharge; ± 8 kV indirect discharge
Power Requirements	**Input power:** 18W max (37-55 VDC POE)

Backroom SmartLens Sensor

Physical Characteristics	**Dimensions (SR5502):** 17.0 in. x 10.2 in. x 7.0 in. 432 mm x 260 mm x 178 mm **Weight (SR5502):** 5.5 lbs/2.5 kg
Environmental Characteristics	**Operating temp:** -4º F to 131º F/-20º C to 55º C **Storage temp:** -40º F to 158º F/-40º C to 70º C **Humidity:** 95% RH non-condensing **ESD:** ± 15 kV air discharge; ± 8 kV direct discharge; ± 8 kV indirect discharge
Power Requirements	**Input power:** 18W max (37-55 VDC POE)

Point of Sale (POS) SmartLens Sensor

Physical Characteristics	**Dimensions (SP5502):** 12 in. x 12 in. x 4 in. 305 mm x 305 mm x 102 mm **Weight (SP5502):** 4.0 lbs/1.8 kg
Environmental Characteristics	**Operating temp:** -4º to 131º F/-20º to 55º C **Storage temp:** -40º to 158º F/-40º to 70º C **Humidity:** 95% RH non-condensing **ESD:** ± 15 kV air discharge; ± 8 kV direct discharge; ± 8 kV indirect discharge
Power Requirements	**Input power:** 13W max (37-55 VDC POE)

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