

# LZR<sup>®</sup>-SIGMA

## PEOPLE COUNTING SOLUTIONS

DRAFT



### DESCRIPTION

LZR<sup>®</sup>-SIGMA provides an all-in-one people counting solution. It is a LASER-based sensor, with a device manager platform and mobile app for ease of information accessibility.

### Manage your device

Sensor.io is an online management tool that allows you to activate, set up and update your devices. Your data flow can be integrated into your analytics tool. Flexible user permissions allows the asset manager to define tailor-made roles for installer and data integrator.



#### DEVICE MANAGER

Our online management tool allows you to activate, set up and update your devices. Your data flow can be integrated to your analytics tool.



#### AUTONOMOUS CONNECTIVITY

Delivered with cloud-based connectivity, the sensor can be completely independent from a local network and its cabling and system constraints.

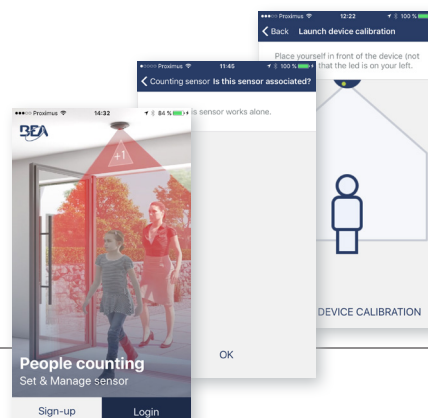


#### MOBILE APP

Open the box, plug in the sensor, scan the QR Code with the BEA mobile app and let it guide you through our short setup procedure.

### Easy and fast installation

A step-by-step setup wizard guides the installer through SIGMA's setup process. You can precisely define the counting detection field and pair multiple sensors to cover large areas.





## Accurate Technology



Independent of light variations and weather conditions, LASER time-of-flight technology guarantees accurate counting.

Thanks to its high resolution detection field (250 dots per curtain), the sensor offers a reliable counting solution that accurately identifies adults, children and groups of people.



## 3 mounting positions

Our solutions fits into any building environment.

Thanks to its 3 different mounting positions, you can easily place it inside, outside, near a door, or on the ceiling (recess or surface mount).



### INDEPENDENT OF LIGHT CONDITIONS

No need for well-lit conditions to achieve accurate counts. Our LASER technology is totally independent of lighting conditions. You can now count with high accuracy in dark places.



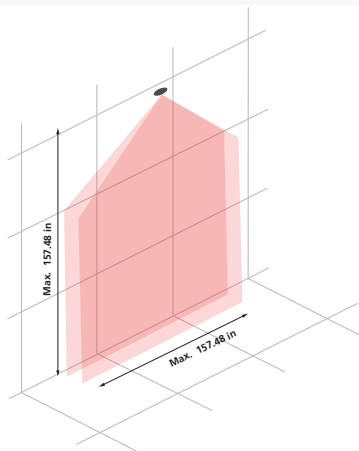
### HIGH PRECISION AND INTELLIGENCE

Sigma naturally filters door movements and can be installed right above the leaf. Inanimate objects such as shopping carts or strollers are not taken into account.



### INDOOR / OUTDOOR INSTALLATION

Even in extreme weather (rain, fog, snow) the LASER technology performance remains stable.



## Technical Specifications

<b>Technology</b>	LASER scanner, time-of-flight (ToF) measurement
<b>Emission characteristics</b> IR LASER	Wavelength 905 nm; max. output pulse power 25 W; Class 1
<b>Device dimensions</b>	7.87 in (L) × 5.59 in (W) × 2.40 in (H) (elliptical) (if mounted with ceiling accessory - visible height: 1.46 in, invisible height: 2.56 in)
<b>Temperature range</b>	-25 °C – 55 °C if powered (storage temperature -35 °C – 70 °C)
<b>Humidity</b>	0 – 95% non-condensing
<b>Power</b>	External DC power or PoE (IEEE802.3af): power consumption < 12 W
<b>Data Transfer</b>	Ethernet / 3G
<b>Installation height</b>	78.74 in – 216.53 in
<b>Counting width coverage</b>	Equivalent to mounting height
<b>Camera</b>	Resolution 160 × 120, frame rate 15 fps (for counting proof purpose only - optional feature)
<b>Protocols</b>	(S)FTP, SFTP and HTTP(S)

[www.BEAinc.com](http://www.BEAinc.com)

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**LZR®-SIGMA** PEOPLE COUNTING SOLUTION

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