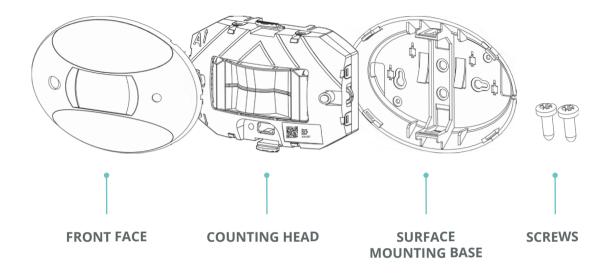


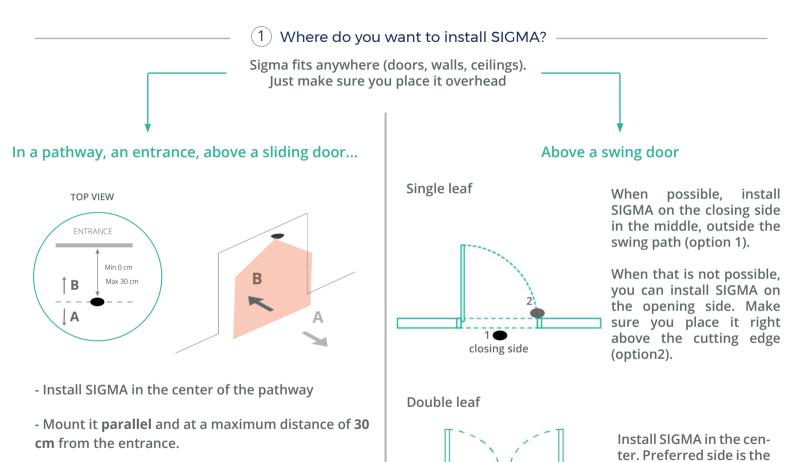
People counting solution

Quickguide







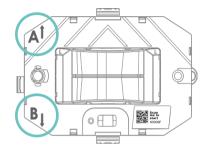


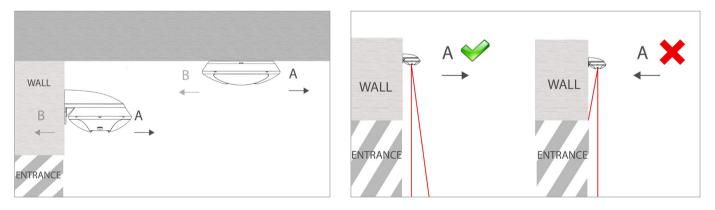
closing side

closing side, outside the swing path (option 1).



Choose a direction for your flow of people

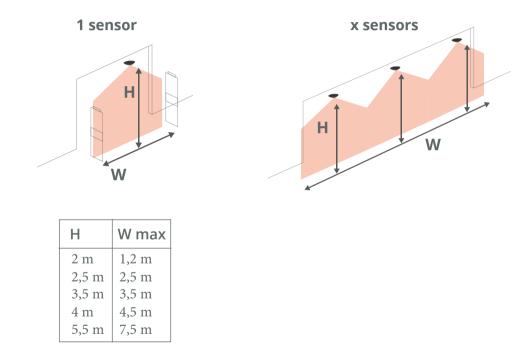




Make sure direction A is the one going away from the wall!



Measure the width of the counting area to determine the number of sensors needed



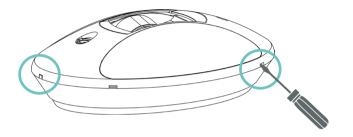
If you use more than one sensor, check the detection fields using our online sizer tool: https://eu.beasensors.com/sizer/sigma/



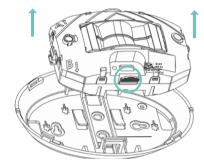
Assembly

(4)

Open Sigma



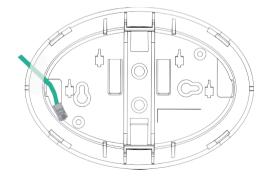
Remove the counting head by unclipping it

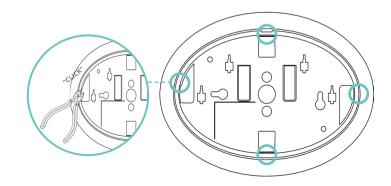


Caution – Do not open the counting head as it may result in hazardous radiation exposure.

Pass the cable through the base

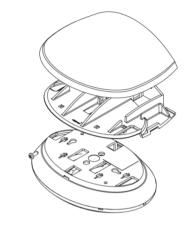
If necessary, a piece of the base can be removed with a cutting tool

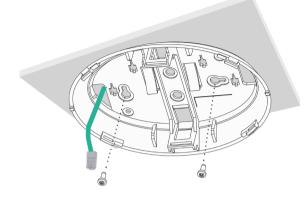




Fix the base on the ceiling

Or use BEA's wall mounting accessory to fix it on the wall





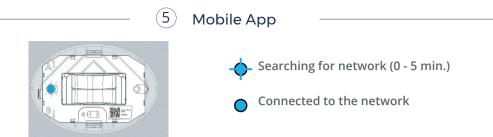
PZ2 8-10 mm 3 mm Adapt screw lenght and type accordingly

Connect the cable to the counting head. Clip the counting head to the base and close Sigma

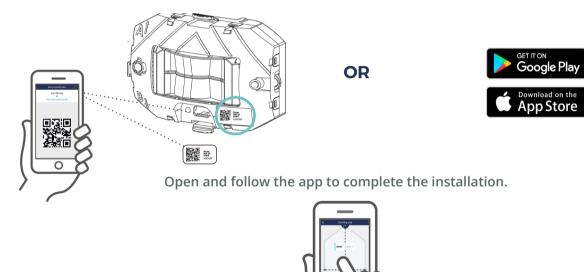
"CLICK"

CLASS 1 LASER PRODUCT

0



Scan the QR Code (on the device or on the box) or download the LZR Sigma app on:



ONLINE DEVICE MANAGER

Go to www.sensorio.com to manage your portfolio of sensors.

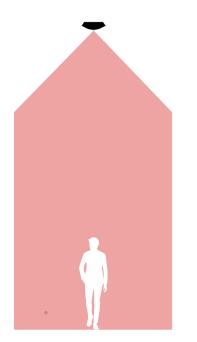
WEB SERVER

Static IP address : 192.168.1.2 User name: device ID (see tags on the device) Password: *password*



®

www.bea-sensors.com









High precision

Independent of the environment

Easy Set Up Mobile App



Discover SIGMA meetsigma.io



Device Manager sensorio.com



Autonomous connectivity

www.meetsigma.io





Understanding Sigma —

LED signal	Cause	Action
0	No internet connection	The ethernet configuration is wrong or no cellular network is available Check the network connection Check if port 8883 / 443 / 22 et 123 are opened
۲	Device is not powered Note that the LED can also be off when the device is in normal operation	Check power supply
ightarrow	Communicating with the app or with sensorio. Connected to the network	The device is communicating
	Searching for network	The device is connecting to the network
	Learning	Define the max. limit on your right or left
•	Error	If this occurs, please contact BEA.
	Updating	Connection to the device is impossible Wait for update completion
	At least one of the following port is not opened : 123 (UDP) / 22 (TCP) / 443 (TCP)	Check network settings with your IT support





Technical Specifications

Technology	LASER scanner, time-of-flight measurement	
Emission characteristics - IR LASER	Wavelength 905 nm ; average output power 0.05 mW; Class 1 (EN 60825)	
Device dimensions	200 mm [L] x 142 mm [W] x 61 mm [H] (elliptical) (if mounted with recessed accessory : visible height 37 mm, invisible height 65 mm)	
Temperature range	- 25° C to 55°C if powered (storage temperature -35°C to +70°C)	
Humidity	0 - 95% non-condensing	
Power	24 VDC ± 10% External DC power or PoE (IEEE802.3af) Power consumption Max. 12 W/Peak - Average 6 W	
Data transfer	3G/2G cellular (except LZR®-SIGMA ETH), Ethernet (cable cat.5/6)	
Supported frequencies / Power (except LZR®-SIGMA ETH)	GSM 850 - 824 to 849 MHz (Tx) - 869 to 894 MHz (Rx) - 2 W (Max. Power) E-GSM 900 - 880 to 915 MHz (Tx) - 925 to 960 MHz (Rx) - 2 W (Max. Power) DCS 1800 - 1710 to 1785 MHz (Tx) - 1805 to 1880 MHz (Rx) - 1 W (Max. Power) PCS 1900 - 1850 to 1910 MHz (Tx) - 1930 to 1990 MHz (Rx) - 1 W (Max. Power)	
Installation height	2 m to 5.5 m	
Counting width coverage	Ratio [0.6 - 1.35] depending on mounting height (cf. sizer tool: www.meetsigma.io/sizer/)	
Ports	123 NTP (UDP) / 22 SFTP (TCP) / 443 HTTPS (TCP) / 8883 MQTTS (TCP)	
Video validation (optional feature)	Resolution 160px x 120px, frame rate 15 fps (for counting proof purposes only)	
Counting data refresh rate / granularity	1 min. (granularity 1 min.) to 24h (granularity 5 min.)	
Protection degree	IP53	
Conformity	BEA hereby declares that the radio equipment type LZR®-Sigma is in compliance with Directive 2014/53/EU (RED) and Directive 2011/65/EU (ROHS). The full text of the EU declaration of conformity is available on our website.	

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THIS PRODUCT SHOULD BE DISPOSED OF SEPARATELY FROM UNSORTED MUNICIPAL WASTE