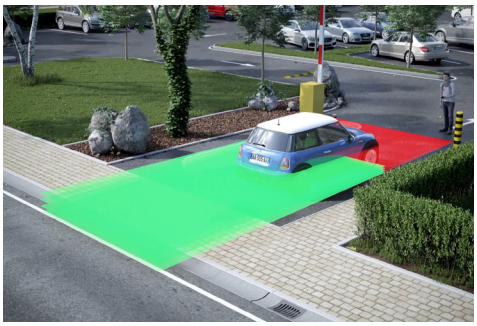
LZR®-H100

BEA's LZR-H100 is a LASER-based Time-of-Flight sensor designed for gate and barrier applications.

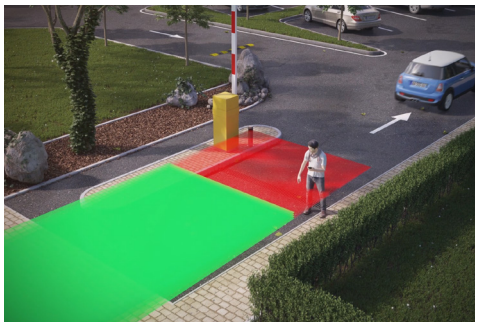
This solution provides four LASER-based curtains, offering a three-dimensional detection zone for accurate object detection. Its detection curtains are highly configurable and can be set up for activation and presence detection in vehicle-sensing applications.

The LZR-H100 is an effective alternative to induction loops and is housed in an IP65-rated enclosure, further ensuring its performance in outdoor environments.

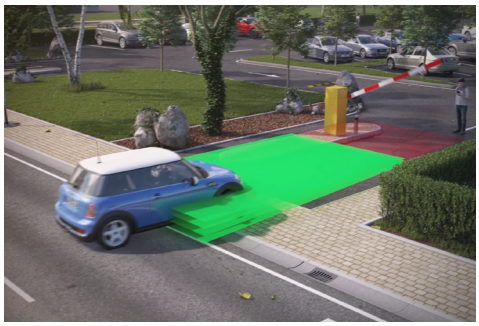
KEY APPLICATIONS



GATE AND BARRIER PRESENCE DETECTION



PEDESTRIAN PRESENCE DETECTION



GATE AND BARRIER ACTIVATION

SOLUTION COMPARISON

Specification	LZR-H100	Induction Loops and Detectors
Technology	LASER, Time-of-flight	Inductance
Method of detection	Motion and presence	Presence
Power supply	10 – 35 VDC	Specification varies by make and model
Degree of protection	NEMA 4 / IP65	IP40
Number of relay outputs	2	1 or 2
Detection range	max. 32 ft x 32 ft (9.6 m x 9.6 m) pattern can be adjusted via remote control and configured for two-loop functionality	Size varies individual loops must be cut based on desired pattern
Functionality		
Ability to install without cutting concrete / above ground	Yes	No
Ability to detection pedestrians	Yes	No
Ability to reject cross traffic	Yes	Requires additional loop(s)
Ability to detect motorcycle, mopeds, and bicycle	Yes	No
Ability to reconfigure	Yes, adjustable via remote control	Requires new or additional loop installation
How to adjust	Remote control	Potentiometers or DIP switches
Installation		
Cost of installation	$500 – $1000	$1200 – $2000
Average installation time	1 – 2 hours	4 – 6 hours (plus 12 – 24 hours cure time)
Key applications	Vehicle directionality Sequencing Pedestrian presence detection Gate and barrier presence detection Gate and barrier activation	Vehicle directionality Sequencing

PRODUCT SERIES & ACCESSORIES

10LZRH100
HORIZONTAL LASER SENSOR

10LBA
LZR MOUNTING BRACKET

10LHB
LZR HOUSING BRACKET

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