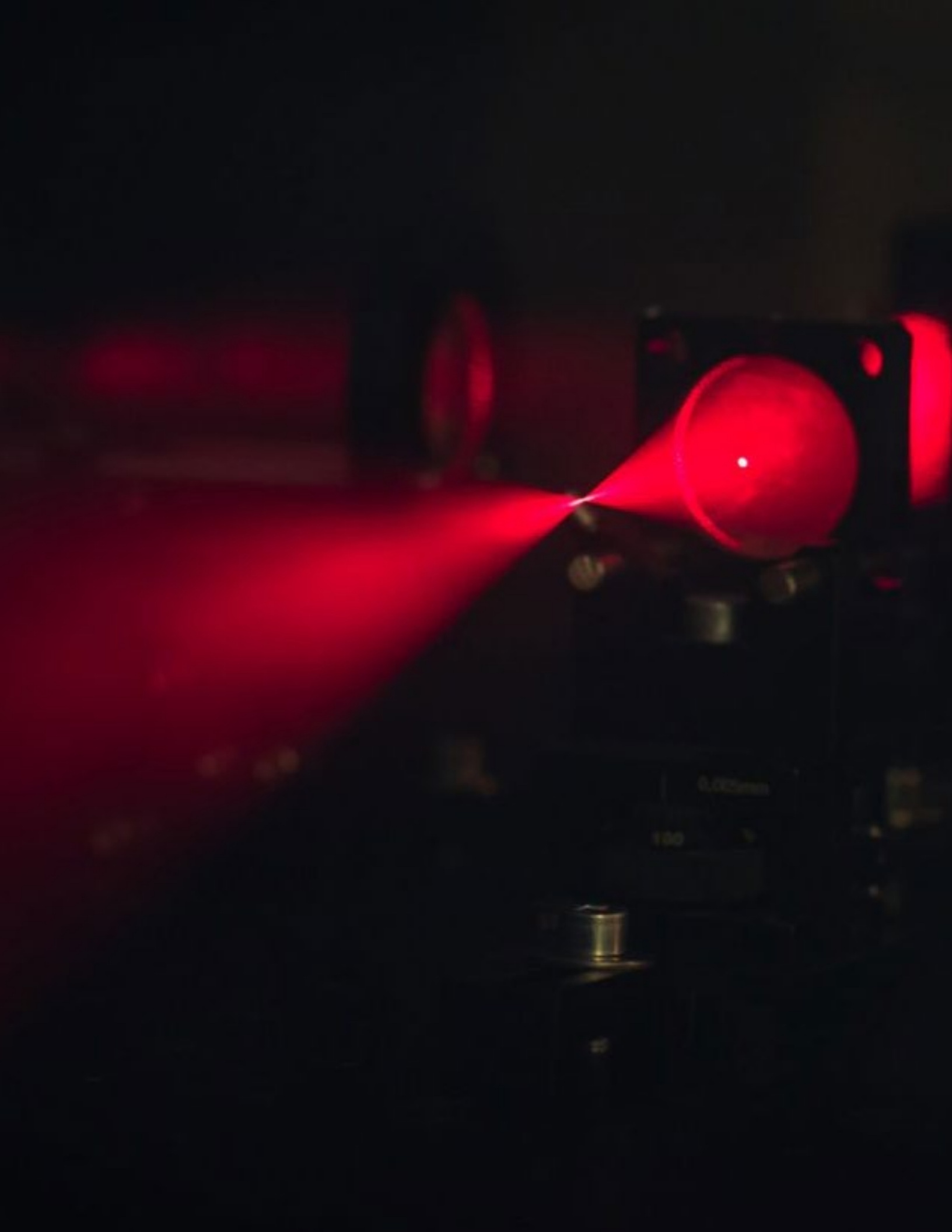
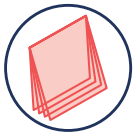
WHERE TO FIND OUR SOLUTIONS

AIRPORT



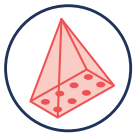
TECHNOLOGIES



LASER

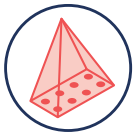
Laser technology works according to the principle of Time-of-Flight. The sensor sends an intense light impulse in a defined direction and measures the time until the signal returns. As the speed of light is a constant value (approximately 300,000 km/s), this time is directly proportional to the distance between the sensor and the first object encountered by the light impulse.

As a result, and by sending multiple beams in multiple directions (2D or 3D), the sensor is capable of knowing the exact position of any object in its detection area at any given time.



ACTIVE INFRARED WITH BACKGROUND ANALYSIS

Active infrared with background analysis technology works with a background (e.g. a sensor shines infrared light on the floor). In this case, the sensor lights up one or more areas and analyzes the energy that returns. Detection is triggered if there is any significant difference when compared to the original picture.



ACTIVE INFRARED WITH BACKGROUND SUPPRESSION

Active infrared with background suppression technology works on the principle of "triangulation" in which the sensor calculates the distance between the emitter and receiver. The emission angle is already known and the reflection angle becomes the key element as the distance to the object can be calculated according to the position of the reflected spot on the receiver side (a triangle can be drawn when you know one distance and two angles).

PASSIVE INFRARED

Passive infrared technology measures the infrared light radiating from objects in its field of view. Motion or presence is detected when an infrared source with one temperature, such as a human being, passes in front of an infrared source with another temperature, such as the normal environment.

RADAR

Radar technology, also known as microwave technology, is based on the Doppler Effect: the radar sensor continuously emits microwaves with a certain frequency in a defined area. These microwaves are reflected back to the sensor by all of the objects present in its environment.

PIEZO

Piezo technology, also known as piezoelectric, is the process of converting mechanical pressure (pushing a button) into electrical energy. A piezo switch is paired with a field effect transistor (FET) that, when pushed, allows current to flow through the FET.

CAPACITIVE

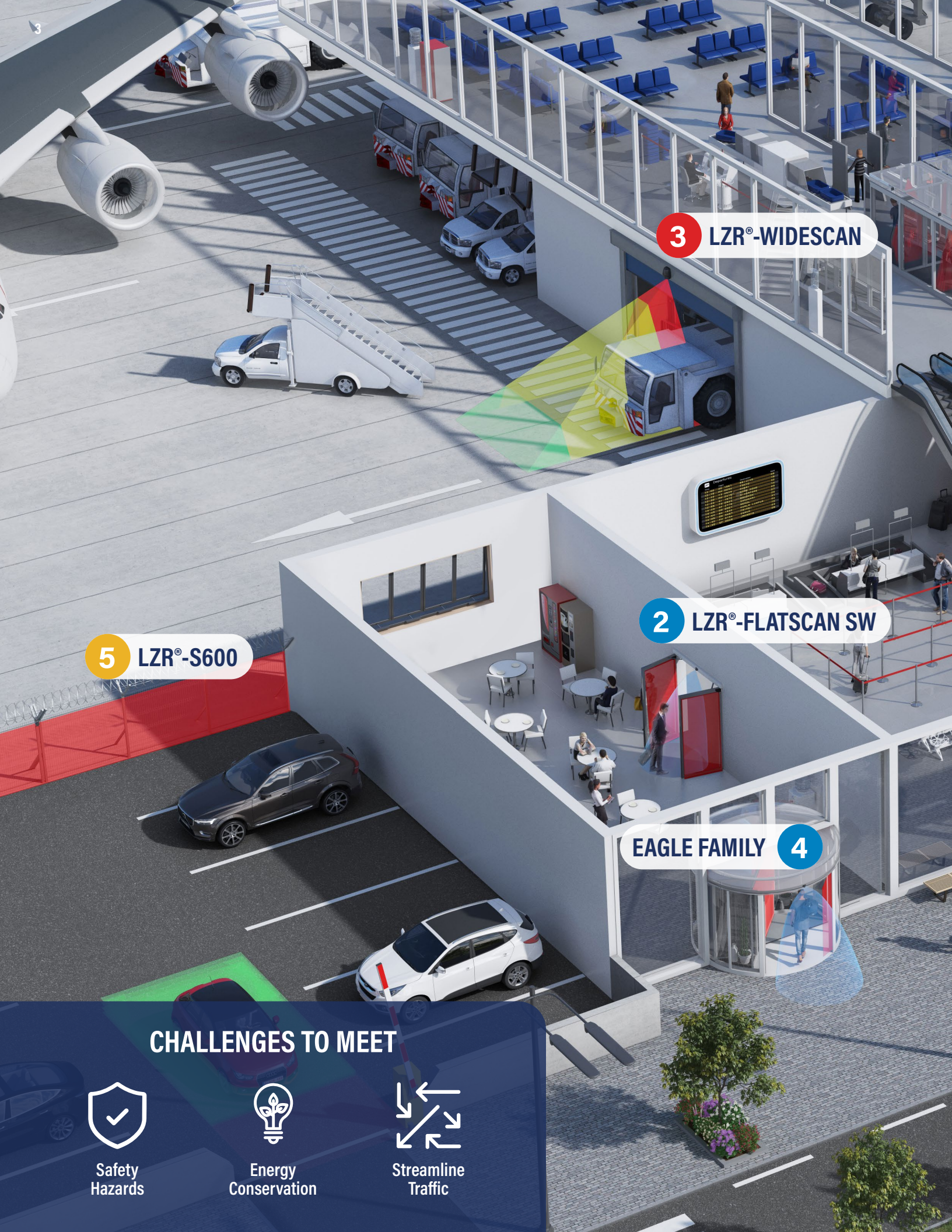
Capacitive technology detects close-range electrically charged objects. A small voltage is applied to a conductive surface, resulting in a uniform electrostatic detection field. When a conductor, such as the human hand, enters this field, detection occurs.

RADIO CONTROL FREQUENCY

Radio control frequency wireless technology uses transmitters and receivers operating on specific radio frequencies. The transmitter applies a radio frequency alternating current to an antenna, which then radiates radio waves. The receiver receives the transmitted frequency and converts the information into a usable form.

VIDEO

Video technology uses optics and light to create pictures and videos. Enhanced definition cameras capture door environment and traffic usage in full color and high quality. Cameras are used within sensors to increase security and decrease liability.



CHALLENGES TO MEET

- Safety Hazards
- Energy Conservation
- Streamline Traffic

10 UNIVERSAL KEYPADS
9 LZR®-SIGMA
8 COLIBRI ONE
Arrival
1 ULTIMO
BEAMBOX 7
LZR®-H100 6

KEEP YOUR ACCESS POINTS SAFE & RELIABLE

ULTIMO

AUTOMATIC SLIDING DOOR SENSOR WITH EXTENDED / ENHANCED SAFETY

- Three infrared curtains, each with 32 independent detection spots, offer deeper and broader safety coverage
- Four visible red alignment spots are projected onto the ground, verifying the location of the infrared curtains and helping to increase the accuracy of setup.
- Easily define the microwave pattern shape, adjust the infrared curtain width and review troubleshooting diagnostics via a menu-driven LCD

LZR®-FLATSCAN SW

STANDALONE, DOOR MOUNTED SWING DOOR SAFETY SYSTEM

- Ideal for low energy applications
- Leading edge safety extends the detection area beyond the leading edge of the door for enhanced safety
- Fully monitored internally, capable of external monitoring

LZR®-FLATSCAN 3D SW

FOUR CURTAIN STANDALONE, DOOR MOUNTED SWING DOOR SAFETY SYSTEM

- The four detection curtains ensure a full-safety coverage of the leaf, hinge area and leading edge of the door
- Achieve an additional form of initial activation by programming up to two Virtual Push Buttons
- Hub-less system offers fewer components for a more straightforward setup and installation

LZR®-WIDESCAN

MOTION, PRESENCE & SAFETY SENSOR FOR INDUSTRIAL DOORS

- Utilize mobile app to easily configure sensor settings (available on the Apple App Store & Google Play Store)
- Virtual pull-cord function can differentiate between pedestrian and vehicle traffic and can provide pulse-on-stop activation
- Two visible LASER alignment spots ensure accurate pattern placement

EAGLE FAMILY

MOTION SENSOR FOR AUTOMATIC DOORS

- Energy savings due to unidirectional detection capability
- Immunity settings can be adjusted to reduce unwanted detections caused by rain, snow and header vibrations
- PRM mode for applications frequently used by persons with reduced mobility
- Compact, low profile design

OFF-DOOR AUTOMATION

LZR®-S600

LASER SCANNER FOR BUILDING AUTOMATION & SECURITY

- Maximum detection range of 82 x 82 feet
- High immunity to environmental interferences
- Ability to ignore dynamic ground conditions and extreme weather

LZR®-H100

LASER SCANNER FOR GATE & BARRIER APPLICATIONS

- Effective alternative to loop detectors
- Time-of-Flight presence-based opto-electronic sensor ensures accurate and immediate detection
- Ability to detect vehicle trajectory during approach and departure

BEAMBOX

ACTIVE INFRARED MOTION & PRESENCE SENSOR

- Three rows of five infrared spots ideal for unique off door applications
- Typical detection area of 3 1/4 x 3 1/4 feet when mounted at a height of 7 feet
- Recessed mounting for low profile applications
- Four infrared immunity modes and nine unique preset patterns are available

COLIBRI ONE

UNIDIRECTIONAL MOTION SENSOR FOR OFF-DOOR APPLICATIONS

- Mounting heights from 6 to 10 feet
- Variable sensitivity adjustment provide different detection areas
- Lateral angle adjustment for ceiling, wall and low level mount versatility
- Compact size provides flexibility in mounting

LZR®-SIGMA

COMPLETE PEOPLE COUNTING SOLUTION

- Independent of lighting conditions
- Naturally filters door movement and can be installed right above the leaf
- Inanimate objects are not taken in account
- Can define the counting field with precision and pair multiple LZR-SIGMA sensors to cover a wide area

TOUCHLESS ACTIVATION REDUCES GERMS & MAXIMIZES ACCESSIBILITY

MS09

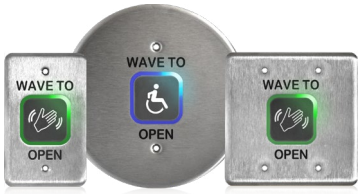
IP65 RATED, MICROWAVE TOUCHLESS ACTUATOR

- Adjustable sensing zone from 4 to 24 inches
- IP65 enclosure capable of use in industrial and extreme environments, as well as wash down facilities
- Can be used in a variety of indoor and outdoor applications
- External mounting boxes are not required

MS31

MICROWAVE TOUCHLESS ACTUATOR WITH ADJUSTABLE RANGE AND RELAY HOLD TIME

- Adjustable sensing zone from 4 to 24 inches
- IP54 rated enclosure for protection against outdoor weathering and daily cleaning
- Faceplates come in jamb, single-gang, double-gang, and round sizes and are available in black, white and gray colors

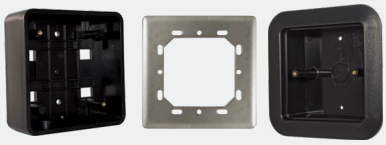


MS41

STAINLESS STEEL, TOUCHLESS ACTUATOR WITH ADJUSTABLE RANGE AND RELAY HOLD TIME

- Adjustable sensing zone from 4 to 24 inches
- IP55 rated enclosure capable of use in industrial and extreme wash-down environments
- Stainless steel faceplate increases durability and protection from daily cleaning
- Adjustable illumination and activation signaling

ACCESSORIES



MOUNTING BOXES

FLUSH & SURFACE MOUNT BOXES

- Easy battery access surface mount box available
- Mounting boxes and brackets
- Adapter and weather rings

BOLLARDS

EXTERIOR MOUNTING OPTION

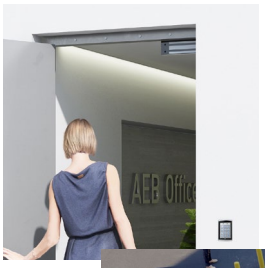
- Choice of Bronze, Silver or Black

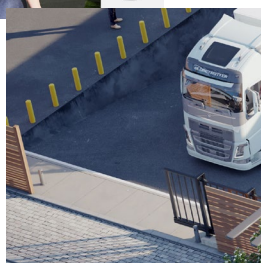
900 MHZ SERIES

WIRELESS TRANSMITTERS & RECEIVERS

- IP65 rated handheld transmitters available
- BEA also offers 433 MHz & 300 MHz frequencies

SECURE VALUABLE RESOURCES & MANAGE TRAFFIC FLOW





UL LISTED MAGLOCKS

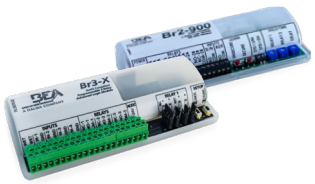
MAGLOCKS WITH ADJUSTABLE RELOCK TIME DELAY & LOCK STATUS SENSOR

- Adjustable zero to 90 second relock time delay
- Lock status sensor with visible LED offers either normally open (NO) or normally closed (NC) output configurations

UL LISTED GATELOCKS

WEATHER RESISTANT, ELECTROMAGNETIC LOCK

- Front mount model comes with a ¾ inch male NPS threaded conduit fitting
- Built-in remote lock status sensor with an output relay
- Weather-resistant, stainless steel housing makes these locks suitable for outdoor applications



UNIVERSAL KEYPADS

VERSATILE ACCESS CONTROL DEVICES

- Allows for up to 1100 individual user codes
- IP66 rating ideal for outdoor or harsh environments

LOGIC MODULES

PROGRAMMABLE 2- & 3-RELAY LOGIC MODULE

- 2-relay logic module with built-in 900 MHz wireless technology
- Programmable 3-relay logic module with 13 functions for sequencing doors with other devices (i.e., lights)

ACCESSORIES

LED SIGNAL LIGHTS

- UL Listed, IP67 Models Available
- Stackable, Column and Traffic Styles Available

INSTALLATION ACCESSORIES

- UL Listed Power Supplies
- L & Z Brackets
- Industrial Extension Brackets
- BEA Universal Remote Control

900 MHZ SERIES

WIRELESS TRANSMITTERS & RECEIVERS

- IP65 rated handheld transmitters available
- BEA also offers 433 MHz & 300 MHz frequencies

KEEP IN TOUCH

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