

## THE ESSENTIAL ANTI-VANDALISM BARRIER FOR SENSITIVE SITES

### INTELLIGENT BOOM BARRIER WITH REINFORCED ARM UP TO 8 M



**Vehicle differentiation** to allow only authorized vehicles to access their designated areas

Real-time detection and classification of **7 user categories**: pedestrian, bicycle, motorcycle, car, van, truck and bus.

Configure the barrier's behaviour according to the **detected user category** and **predefined time schedules**

Operates without inductive loops, photoelectric cells, radar/laser or ultrasonic sensors, **ensuring a simpler installation**

Create up to **5 configurable virtual detection zones** to adapt the operating logic

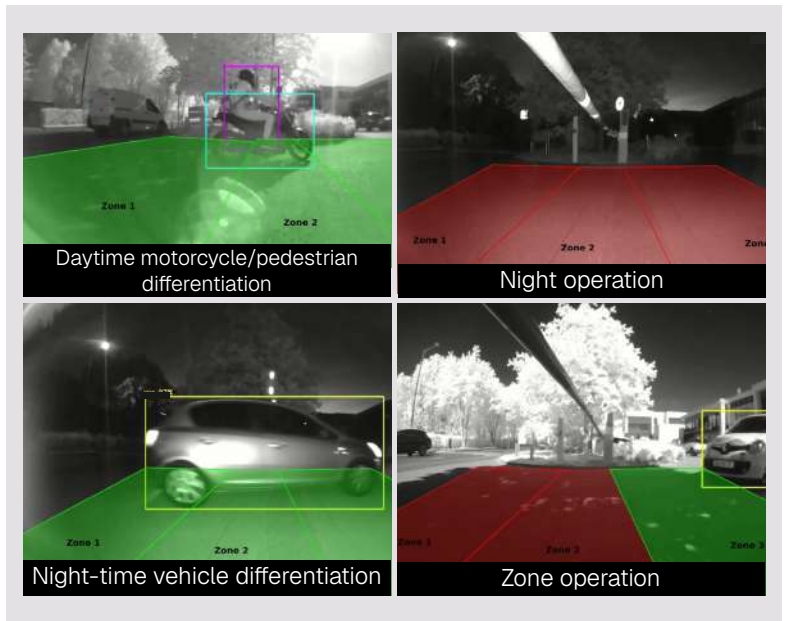
## STANDARD CHARACTERISTICS

- **Speed:** Variable from 2 seconds
- **Continuous and intensive operation:** 10,000 cycles/day
- **Boom:** High-strength reinforced aluminium with reflective strips
  - 180 × 118 mm : up to 6 m max
  - 135 × 93 mm : up to 8 m
- **Geared motor:** Three-phase / 230 V single-phase power supply
- **Balancing:** Compression spring
- **Housing:** Cataphoresis treated steel sheet with a Ronis 405 lock + Standard RAL 5015
- **Top cover:** 2 mm thick aluminium sheet with RAL 9010 paint
- **Boom support:** Reinforced axial clamping system
- **ONE-C board:** Control board operable via wired connection or network (Modbus TCP/IP, RS485), featuring an LED interface and remote access, ensuring optimized motor management (speeds, ramps), with updates via SD card and simplified installation
- **ONE-SENSE sensor:** Cam-mounted sensor providing real-time boom position with one-degree accuracy. Enables automatic end-stop learning and automatic boom lifting in the event of an impact



INDUSTRY PUBLIC & RESIDENTIAL PAID PARKING

## THE INTELLIGENT BARRIER FOR OPTIMAL ACCESS CONTROL RECOGNIZE – AUTHORIZE – PROTECT



LBAi installation **without additional civil engineering work**

**7 recognized user categories:** pedestrian, bicycle, motorcycle, car, van, truck or bus

**170° lateral coverage, 70° vertical coverage** and range up to **10 m**

Activity log consultation with recording and history of detected events **available on request**

## COMMISSIONING VIA DIGITAL PLATFORM

### DEFINE DETECTION ZONES

Define upstream zone, downstream zone, under-boom zone and safety zone, and configure distances

### PRODUCT CONFIGURATION

Product type, passage width, opening direction, required speed

### SELECT AUTHORIZED USERS

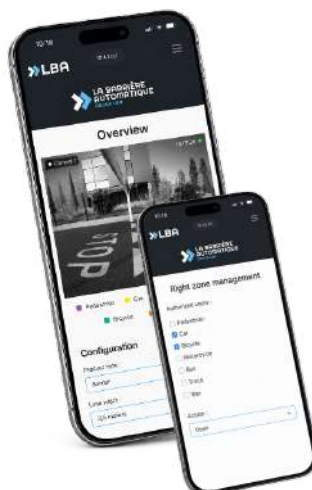
Pedestrians, bicycles, motorcycles, cars, vans, trucks or buses

### ASSIGN ACTIONS

Opening, open hold, safety, presence detection or alert according to each zone and vehicle category

### DEFINE TIME SLOTS

Adapt opening, safety or access rules according to days and hours



## USE CASE EXAMPLES

### PEDESTRIAN AREA

*Prevent car access, allow pedestrians and bicycles, allow deliveries only during defined time slots*

### BUS DEPOT

*Allow buses, deny other vehicle categories*

### LOGISTICS SITE

*Allow trucks and utility vehicles, block cars, bicycles and pedestrians*

### SUBSCRIBER PARKING

*Distinguish motorcycles from cars to apply suitable pricing and reduce fraudulent access*

**AND MANY OTHER USE CASES TAILORED TO YOUR NEEDS...**

## TECHNICAL SPECIFICATION

|                                   |                                                                                                                  |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Power supply</b>               | 230 V                                                                                                            |
| <b>Consumption</b>                | - 0.55 kW three-phase motor (irreversible)<br>- 0.25 kW three-phase motor (reversible)                           |
| <b>Geared motor</b>               | Irreversible or reversible for automatic lifting                                                                 |
| <b>Counterbalance</b>             | Compression spring + chain and pinion (irreversible)                                                             |
| <b>Boom</b>                       | Reinforced white lacquered aluminium oval 180x118 mm (up to 6 m max) or aluminium 135x93 mm (up to 8 m)          |
| <b>Half shell</b>                 | Galvanised steel RAL 9010                                                                                        |
| <b>Operating time</b>             | From 2 sec (variable depending on options)                                                                       |
| <b>MCBF (number of cycles)</b>    | 5 million                                                                                                        |
| <b>MTBF (hours)</b>               | 15,000                                                                                                           |
| <b>MTTR (mean time to repair)</b> | 30 minutes                                                                                                       |
| <b>Maximum boom length</b>        | 8 m                                                                                                              |
| <b>Emergency operation</b>        | Irreversible gear motor: by hand crank<br>Reversible gear motor: automatic lifting in the event of power failure |
| <b>Temperature control</b>        | Anti-condensation heating                                                                                        |
| <b>Paint</b>                      | Polyester powder                                                                                                 |
| <b>Overall dimensions (LxDxH)</b> | 800 x 800 x 1,000 mm                                                                                             |
| <b>Operating temperature</b>      | -30 ° to +55 °C                                                                                                  |
| <b>IP rating</b>                  | 54                                                                                                               |

| Boom length (m) | Weight (kg) | Tip supports |
|-----------------|-------------|--------------|
| 3.00 to 4.00    | 183/185     | No           |
| 5.00 to 8.00    | 187 to 195  | Yes          |

## OPTIONS

### Customisation

- Polyester paint with a choice of colours (RAL to be defined)

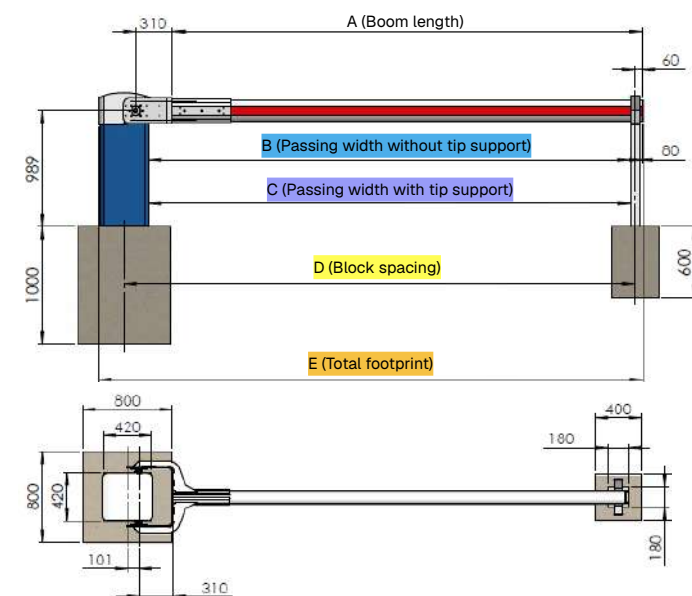
### Audible & visual signals

- Illuminated LED strip cover
- Illuminated boom
- Flashing lights on housing
- Flashing light on boom
- Penetration lights
- R23 red and green lights on integrated post
- Signalling via standardised panels
- Siren on passage violation

### Safety

- Articulated boom
- Galvanised anti-corrosion housing
- Motorised rotation device
- Anti-vandalism pack
- Internal anti-fraud locking compatible only with boom  $\leq 3$  m (reversible)
- Programmable Cardin S 449-433 MHz 1-channel radio receiver
- Adjustable tip support
- Electromagnetic lock on rest
- Electromechanical locking on rest
- Adjustable pendulum support
- LBA Connect

## INSTALLATION



| Boom length A in mm | Passing width without tip support B in mm | Passing width with tip support C in mm | Block spacing D in mm | Total footprint E in mm | Open barrier height H in mm |
|---------------------|-------------------------------------------|----------------------------------------|-----------------------|-------------------------|-----------------------------|
| A                   | A = B - 200                               | A = C - 100                            | A = D - 350           | A = E - 630             | A = H - 1,300               |

### Power supply:

- $\varnothing 63$  mm janolene
- U-1000 RO 2V 3 x 2.5 mm<sup>2</sup> cable

### Remote control:

- $\varnothing 40$  mm green janolene
- 5 pair 9/10 core telephone cable

### Arm rest connection:

- $\varnothing 30$  mm tube
- Infrared cell, magnetic plunger, etc.

### Magnetic loop cable:

- $\varnothing 30$  mm tube
- Twisted pair loop cable

### Sealing template + 4 mounting rods

- The template remains level in situ and must rest entirely on solid concrete
- Arm rest base plate

