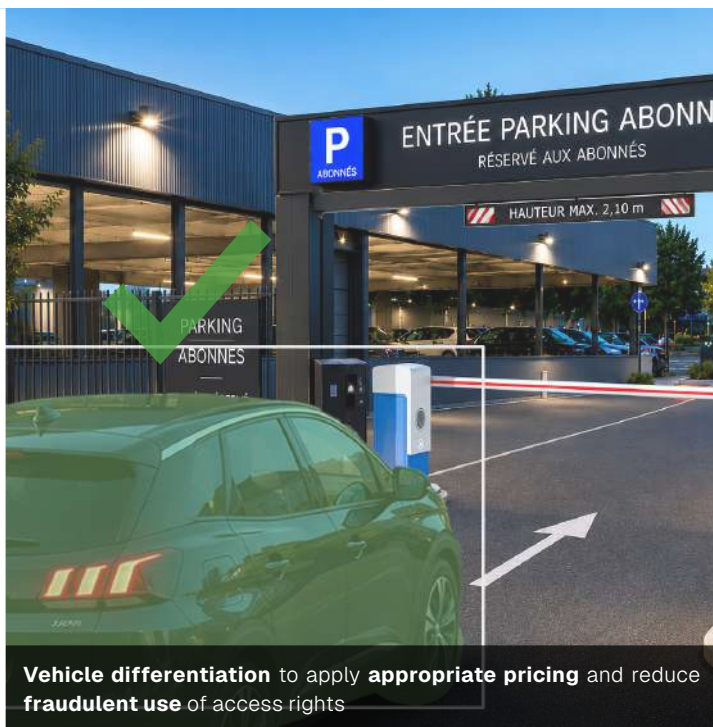


# LBAi 63 PK

## THE LEADING PAID PARKING BARRIER

**iNTELLIGENT** BOOM BARRIER WITH ARTICULATED ARM UP TO 3.8 M



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

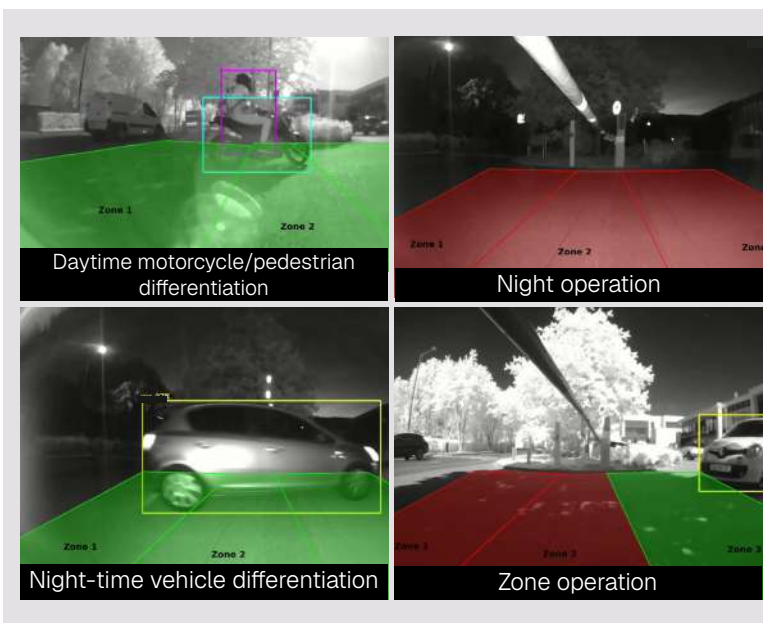
## STANDARD CHARACTERISTICS

- **Speed:** Variable from 0.8 seconds
- **Continuous and intensive operation:** 15,000 cycles/day
- **Boom:** Ø 85 mm articulated or straight lateral aluminium with reflective strips, length up to 3.80 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
- **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



# LBAi 63 PK

## 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

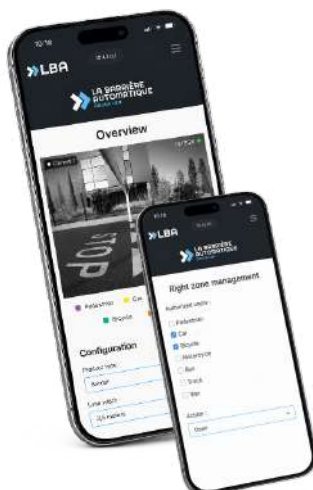
Pedestrians, bicycles, motorcycles, cars, vans, trucks or buses

### 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*

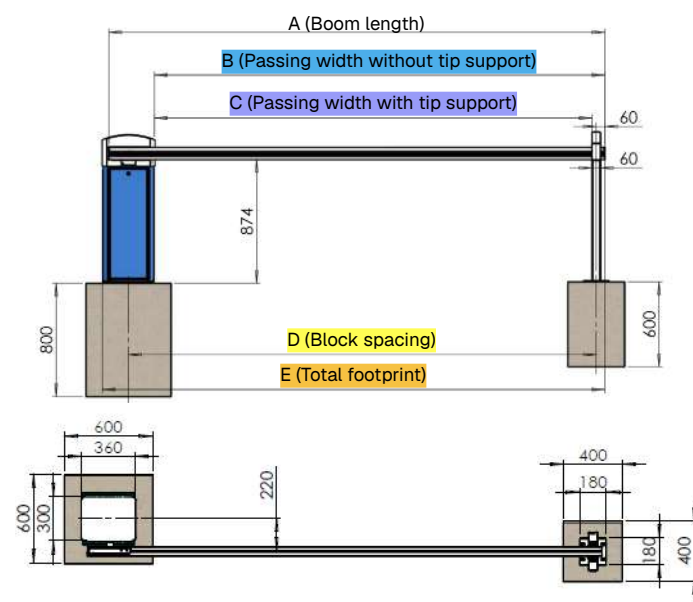
**AND MANY OTHER USE CASES TAILORED TO YOUR NEEDS...**

## TECHNICAL SPECIFICATION

|                                      |                                                                                  |
|--------------------------------------|----------------------------------------------------------------------------------|
| <b>Power supply</b>                  | 230 V                                                                            |
| <b>Consumption</b>                   | 0.18 kW three-phase motor                                                        |
| <b>Geared motor</b>                  | Reversible                                                                       |
| <b>Counterbalance</b>                | Compression spring<br>+ chain and sprocket                                       |
| <b>Boom</b>                          | 84x57 mm aluminium boom<br>Flex boom<br>Articulated boom and/or foam-padded boom |
| <b>Operating time</b>                | From 0.8 sec (variable depending on options)                                     |
| <b>MCBF (number of cycles)</b>       | 10 million                                                                       |
| <b>MTBF (hours)</b>                  | 15,000                                                                           |
| <b>MTTR (average time to repair)</b> | 15 minutes                                                                       |
| <b>Maximum boom length</b>           | 3.8 m                                                                            |
| <b>Emergency operation</b>           | Fail safe open in the event of a power failure                                   |
| <b>Paint</b>                         | Polyester powder                                                                 |
| <b>Overall dimensions (LxDxH)</b>    | 600 x 600 x 800 mm                                                               |
| <b>Operating temperature</b>         | -30 ° to +55 °C                                                                  |
| <b>IP rating</b>                     | 54                                                                               |

| Boom length (m) | Passing width (m) | Weight (kg) | Arm rest |
|-----------------|-------------------|-------------|----------|
| 2.00            | 1.70              | 58          | No       |
| 3.00            | 2.70              | 59          | No       |
| 3.40            | 3.10              | 59          | Yes      |
| 3.80            | 3.50              | 60          | Yes      |

## 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 + 310                               | A = C + 400                            | A = D + 185           | A = E - 60              | A = H - 790                 |

## OPTIONS

### Customisation

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

### Audible & visual signals

- LED light strip hood
- Light boom
- Flashing lights on housing
- Flashing light on light boom
- Penetration lights
- Red and green R23 light on integrated post
- Standardised signage
- Siren on passage violation
- Miss Screen compatible

### Safety

- Articulated barrier arm
- Galvanised anti-corrosion housing
- Aluminium bodywork
- Internal anti-fraud locking (reversible)
- Rear unhinging
- Cardin S 449-433 MHz 1-channel programmable radio receiver
- Adjustable rest
- Electromagnetic locking on rest
- Electromechanical locking on rest
- LBA Connect

### Power supply:

- ø63 mm janolene
- U-1000 RO 2V 3 x 2.5 mm<sup>2</sup> cable

### Remote control:

- ø40 mm green janolene
- 5 pair 9/10 core telephone cable

### Arm rest connection:

- ø30 mm tube
- Infrared cell, magnetic plunger, etc.

### Magnetic loop cable:

- ø30 mm tube
- Twisted pair loop cable

### Sealing template + 4 mounting rods

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

