

LBAi 63 Pi

THE BARRIER FOR INDUSTRIAL WEIGHING

INTELLIGENT BOOM BARRIER WITH SIDE-MOUNTED BOOM
UP TO 3.8 M



Real-time detection and classification of 7 user categories: pedestrians, bicycles, motorcycles, cars, vans, trucks and buses

Configure product behaviour according to the detected user category and the configured time schedules

No inductive loops, photocells, radar / laser or ultrasound required, for simplified installation

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

STANDARD FEATURES

- **Variable speed:** Adjustable from 0.8 seconds
- **Intensive continuous operation:** 15,000 cycles/day
- **Boom:** Straight oval 84 × 57 mm painted aluminium with reflective strips, up to 3.8 m
- **Geared motor:** Three-phase / 230 V single-phase supply
- **Counterbalance:** Compression spring
- **Housing:** E-coated steel sheet, Ronis 405 lock + standard RAL 5015 finish
- **Cover:** 2 mm thick aluminium sheet, painted RAL 9010
- **ONE-C board:** Hardwired or network control (Modbus TCP/IP, RS485), LED interface and remote access. Optimised motor control (speeds and ramps), SD card updates and simplified installation
- **ONE-SENSE sensor:** Cam-mounted, providing real-time boom position measurement to within one degree, automatic learning of travel limits and boom raising upon impact detection
- Breakaway boom with missing-boom detection
- Automatic raising in the event of a power failure

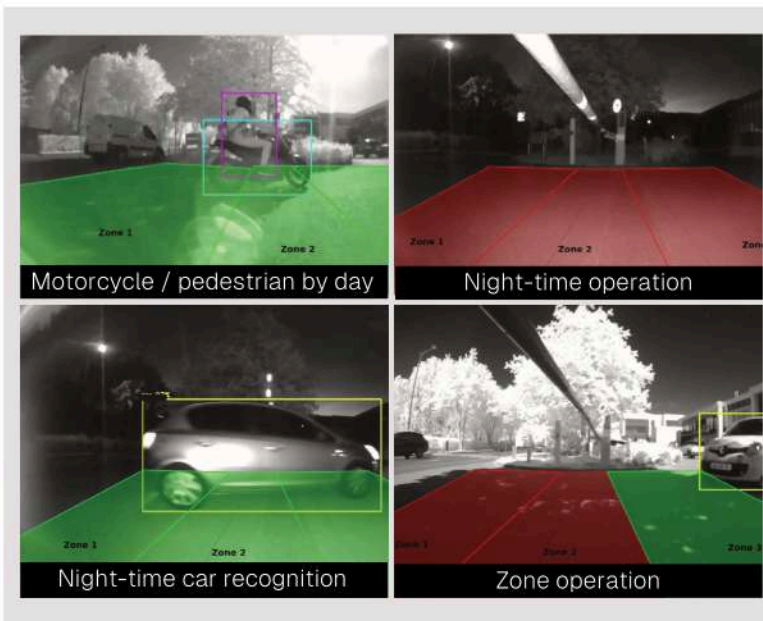


 TOLLING  INDUSTRY  COMMERCIAL  PAID PARKING

MADE IN FRANCE

LBAi 63 PI

THE INTELLIGENT BARRIER FOR OPTIMAL ACCESS CONTROL RECOGNISE - AUTHORISE - PROTECT



LBAi installation without additional civil works

7 user categories recognised:
pedestrians, bicycles, motorcycles,
cars, vans, trucks or buses

170° horizontal coverage,
70° vertical coverage and
a range up to 10 m

View the activity log, with
recording and event
history available
for activation
on request

COMMISSIONING VIA DIGITAL PLATFORM

DEFINE DETECTION ZONES

Define approach, exit, under-barrier and safety zones, and set the detection distances

PRODUCT CONFIGURATION

Product type, clear opening, opening direction and required speed

SELECT AUTHORISED USERS

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

ASSIGN ACTIONS

Opening, hold-open, safety, presence or alert for each zone

SET TIME SCHEDULES

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



EXAMPLES OF USE CASES

PEDESTRIAN ZONE

Deny access to cars, allow pedestrians and bicycles, and permit deliveries only during the specified time slots

BUS DEPOT

Allow buses. Deny all other vehicle categories

LOGISTICS SITE

Allow trucks and commercial vehicles; block access for cars, bicycles and pedestrians

SUBSCRIBER PARKING

Distinguish motorcycles from cars to apply appropriate pricing and limit fraudulent use of access permissions

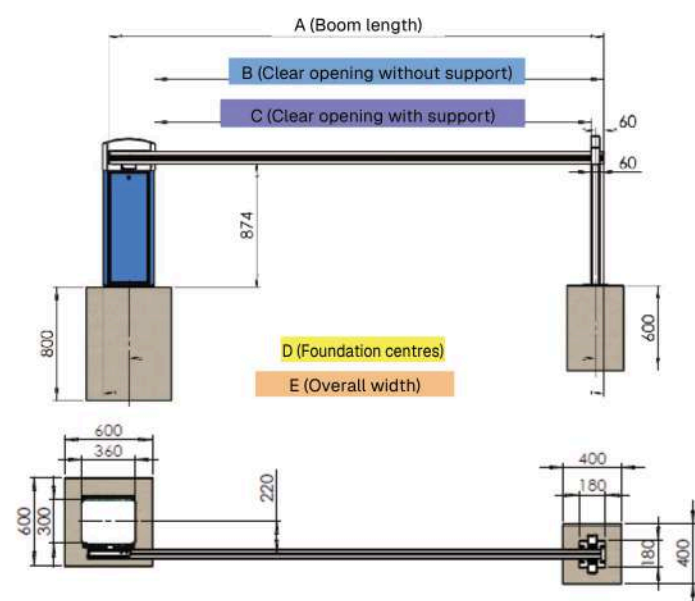
**AND MANY MORE USE CASES TAILORED
TO YOUR NEEDS...**

TECHNICAL SPECIFICATIONS

Power supply	230 V
Power	0.18 kW three-phase motor
Geared motor	Reversible
Counterbalance	Compression spring + chain and sprocket
Boom	84 x 57 mm aluminium boom
Operating time	From 0.8 s (depending on options)
MCBF (cycles)	10 million
MTBF (hours)	15,000
MTTR (mean time to repair)	Less than 15 minutes
Maximum boom length	3.8 m
Emergency operation	Automatic raising upon loss of power
Paint finish	Polyester powder
Foundation size (L x D x H)	600 x 600 x 800 mm
Operating temperature	-30° to +55°C
IP	54

Boom length (m)	Clear opening (m)	Weight (kg)	Support or pendulum rest
3.30	3.00	59	No
3.80	3.50	60	No

INSTALLATION



Boom length A in mm	Clear opening without support B in mm	Clear opening with support C in mm	Foundation centres D in mm	Overall width E in mm	Barrier height when open H in mm
A	A = B + 310	A = C + 400	A = D + 185	A = E - 60	A = H - 790

OPTIONAL EQUIPMENT

Customisation

- Polyester paint with a choice of colour (RAL to be specified)

Audible & visual signalling

- Illuminated cover with LED strip
- Illuminated boom
- FLEX boom
- Flashing lights on the housing
- Flashing light on the boom
- LED lighting on the boom
- Entry lights
- R23 red/green light on an integrated post
- Area lighting
- Standardised signs
- Siren triggered by unauthorised passage
- Compatible with Miss Screen

Safety

- Protective hoop
- Rear swing-away mechanism
- Front swing-away / Automatic re-engagement

Power supply:

- Janolène conduit ø63 mm
- U 1000 RO 2V cable, 3 x 2.5 mm²

Remote control:

- Green Janolène conduit ø40 mm
- Telephone cable, 5 pairs, 0.9 mm

Magnetic loop lead-in:

- Conduit ø30 mm
- Twisted-pair loop lead-in cable

Anchor template + 4 anchor rods

- The template must remain level and rest fully on the concrete foundation

