

LPR CAMERA DOME

The vandal proof LPR

High Accuracy
+99%



- Automatic Zoom & Focus
- B/W & Color Camera
- IR + White light
- PoE
- Plug & Play



Location
WALL,
CEILING &
BARRIER



Lane width
3 m / 10 ft [mini]
4 m / 13 ft



Max. distance
4 m / 13 ft [mini]
6 m / 20 ft



Capture
FRONT &
REAR

	MINI	PRO
SOFTWARE ARCHITECTURE	AiO on Axis [Artpec 7 or higher]	AiO on Axis [Artpec 7 or higher]
SOFTWARE INSTALLED	OCR 7 + TwinPlate P2P	OCR 7 + TwinPlate P2P
ILLUMINATION	IR (Infrared Light) 1 High Power IR LED integrated (855nm)	IR (Infrared Light) 2 High Power IR LEDs integrated (850nm)
I/O	(optional with accessory)	

Additional white light increases the accuracy between 0,5% and 1%. For color mode operation: at least 100 lux of White light on the license plate is required.

All the AI potential in our All-in-One cameras



SOFTWARE LPR

- AI Algorithms
- Simultaneous Trigger and Free Flow modes
- Accuracy above 99%
- Multi-country: 100+ countries
- Setup via Web UI
- Full control from the SCAP platform

ISO/IEC 27001 CYBERSECURITY

- Secure authentication
- Advanced user management
- Active vulnerability management
- Security by Design architecture



TWINPLATE P2P

TICKETLESS & BARRIERLESS

- Multiple cameras per lane
- Trigger or Free Flow mode
- Front and rear camera (motorcycles)
- 24/7 operation
- Twinplate AiO Peer-to-Peer (P2P)
- All lane cameras operate as Master units
- Redundancy, improves the accuracy rate



SCAP Web UI Platform SIRAM Camera Application Platform

SCAP transforms camera management into a fast, intuitive, and centralized experience.

Install, configure, and update your cameras from an intuitive web platform designed to streamline operations and maximize efficiency.

IP CAMERA

	MINI [indoor]	PRO
Camera model	Axis M4215V	Axis P3275LVE
Processor	Ambarella 64 bits	Artpec8 64 bits
RAM	1 GB	1 GB
Image sensor	1/2.8" RGB CMOS	1/2.8" RGB CMOS
Maximum resolution	1080 HDTV (1920x1080)	1080 HDTV (1920x1080)
Lens	Varifocal, 3.5-6,6 mm, F1.7 - 2.6	Varifocal, 3.4-8,9 mm, F1.8
Video compression	H.264 / H.265 / MJPEG	H.264 / H.265 / MJPEG
Power supply	Power over Ethernet (PoE) 802.3af/802.3at Type1 Class2 Typical 2.7 W, max. 4.4 W	Power over Ethernet (PoE) 802.3af/802.3at Type1 Class3 Typical 4.8 W, max. 10.7 W
Warranty	3 years	3 years
I/O	-	1 digital input – 1 digital output (GPIO)

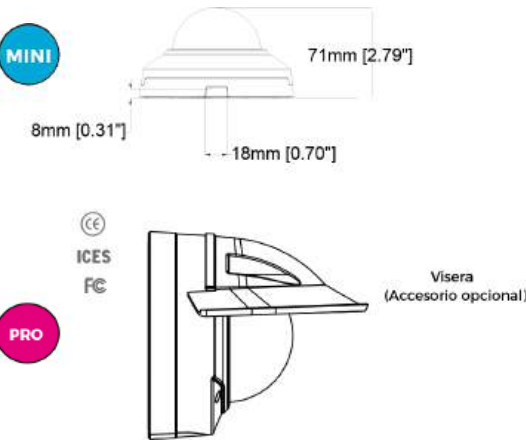
IR/HYBRID ILLUMINATOR

	MINI [indoor]	PRO
Operation	IR illuminator with SMD technology for B/W cameras - IR sensitive	IR illuminator with SMD technology for B/W CAMERS- ir sensitive
Number of LEDs	1 High Power IR LED integrated int he camera	2 High Power IR LEDs integrated in the camera
Wavelength	855 nm	850 nm
Power supply	-	-

WHITE LIGHT LEDS PROJECTOR (optional)

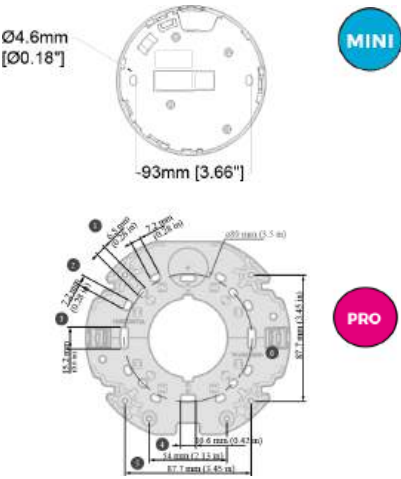
Operation	White light SMD LED illuminator for increasing the accuracy or to work in color
Number of LEDs	External focus os 6 LEDs High Power White Light
Power supply	12 Vdc - 15W max.

DIAGRAMS



ANCHORING TYPE

This model is designed to be installed on the ceiling, wall or barrier.



DOME RANGE CAMERAS

REF.	CAMERA MODEL
100105	Dome MINI
100103	Dome PRO

CAMERAS ACCESSORIES

120403	I/O Interface (only Dome MINI)
120302	W2/12 White Light Projector



I/O Interface

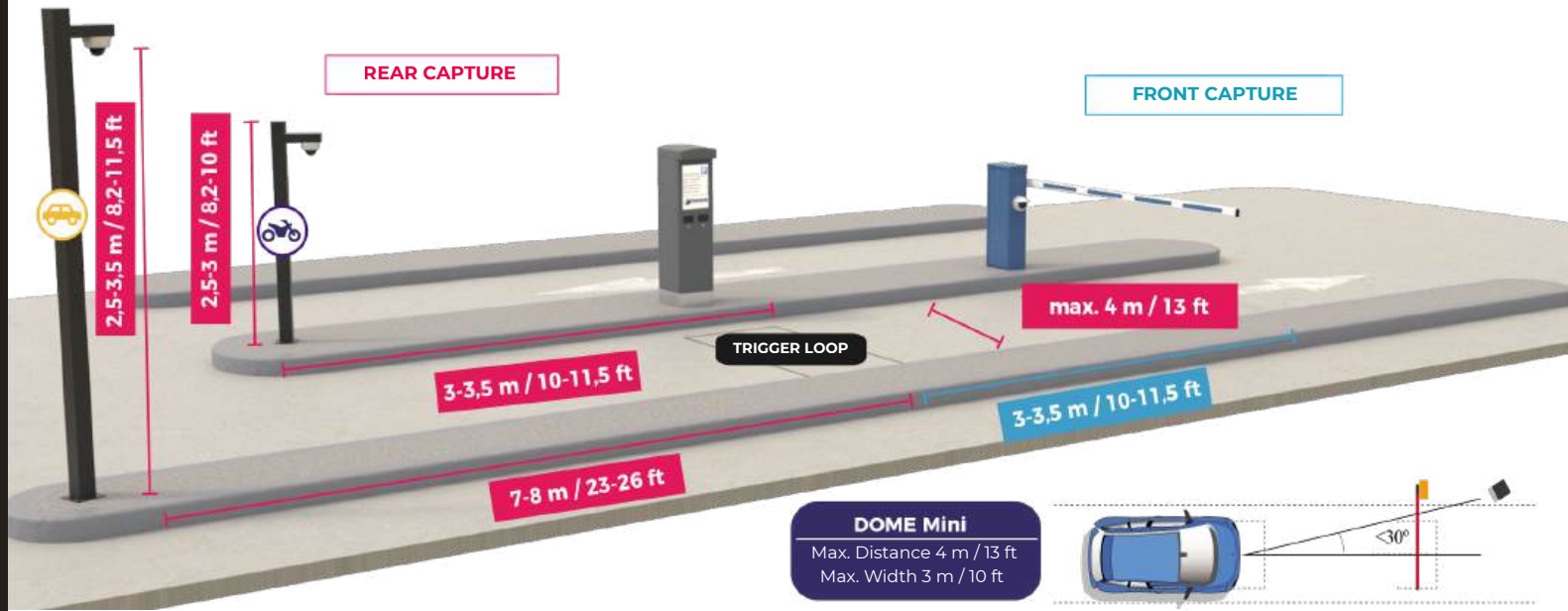


W2/12 White Light Projector

The positioning of the capture unit on the ceiling or wall must meet the following requirements:

- The smallest possible horizontal and vertical inclination with respect to the center of the license plate. The maximum recommended inclination is 30°.
- When the vehicle is captured it must be properly in the lane. It is always necessary to seek the most perpendicular position for the camera in terms of the number plate.
- If the capture is performed using a software or hardware trigger, it is necessary to take it into account the concealments produced when vehicles travel in convoy.
- It is necessary to avoid concealments caused by the barrier, since the barrier can obscure the camera's view of the number plate when in movement.

RECOMMENDED POSITIONING



How to choose the best LPR camera for your project?

MINI LPR CAMERA MODELS

	Location	Capture	Maximum distance	Lane width
BULLET Mini	Barrier, Wall, Ceiling or Pole	Front and Rear	4 m / 13 ft	3 m / 10 ft
DOME Mini	Barrier, Wall or Ceiling	Front and Rear	4 m / 13 ft	3 m / 10 ft

LPR CAMERA MODELS

	Location	Capture	Maximum distance	Lane width
COMPACT	Ground	Front	8 m / 26 ft	5 m / 16 ft
BULLET	Wall, Ceiling or Pole	Front and Rear	8 m / 26 ft	5 m / 16 ft
DOME	Barrier, Wall or Ceiling	Front and Rear	6 m / 20 ft	4 m / 13 ft
BULLET XXL	Wall, Ceiling or Pole	Front and Rear	15 m / 50 ft	5,5 m / 18 ft
TOTEM	Ground	Front and Rear Trucks	8 m / 26 ft	5 m / 16 ft

Improve the features of your LPR camera with **TwinPlate**

COMPLEX LANES
Front capture with two cameras

In situations where vehicles access into the lane from multiple directions.

TICKETLESS CAR LANES
Front and rear capture cameras

In Ticketless lanes it is required to guarantee the operation of the lane 24/7.

CAR & MOTORCYCLE LANES
Front car & rear moto capture cameras

In Ticketless lanes for cars and motorcycles, 2 LPR cameras are required.