# ARTECO–LPR IP

## The Perfect Blend of License Plate Recognition and Advanced Video Management for Security

### ADDED VALUE

Add value to your Enterprise VMS environment by adding License Plate Recognition on a per channel basis. The IP LPR Plug-in allows the detection and notification of vehicles in specific zones, cataloguing activity by time, date and location while giving security easy to recognize snapshots and video.

### FLEXIBLE

Compared to costly standalone ALPR systems, ARTECO-LPR IP allows Enterprise users to add License Plate Recognition technology where and when they need it the most. The system utilizes an "edge-based" IP LPR camera to capture and analyze data. The interpreted data is sent to the VMS platform as a security event in the same manner as all analytics and server events received by ARTECO-LOGIC. Cameras can be placed anywhere on the network, and data is only sent when vehicles are detected, keeping data transmission bandwidth to a minimum.



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## PRACTICAL

The ARTECO-LPR IP channel is fully integrated with the ARTECO-SERVER Enterprise VMS platform. Users receive License Plate Reading event notifications as visual cues, audible alerts, email events, video pop-ups and or SMS messages. Vehicles can be searched by time interval, date range, and alpha-numeric characters. Entering incomplete alpha-numeric characters widens the search criteria to help decrease investigation time. Each plate reading gives users a snapshot of the vehicle with matching OCR plate reading and corresponding video of the detection.

## SCALABLE

The ARTECO-LPR IP channel is scalable without limitation. Adding License Plate Recognition to your ARTECO-SERVER Enterprise VMS is as easy as adding an additional channel license to your video application. The ARTECO-LPR-IP camera can be installed anywhere on the network just like adding a standard IP Camera to your VMS. No tuning of the LPR IP Camera is required and LPR Plate reading events can be accessed by ARTECO-LOGIC within minutes.

## LPR IP CAMERA SPECS

- Optics
  - IR lens: Varifocal 5-55 mm (11x) IR serial

- Video Specification
  - MPEG4 Compression
  - Fully Integrated with ARTECO-SERVER Enterprise
  - Requires one AS-Enterprise Channel License (sold separately)

- OCR Plate Reading Specification
  - Reading mode: Syntax free or with syntax
  - Characters are recognized: plates and Western characters
  - Syntax integrated: Italian (other libraries available)
  - Minimum plate: v120 x h20 pixels minimum (both rear and front plate)
  - Reading speed: 80 to 150 ms (12 plates per sec)
  - Vehicle speed: 100 km / h max
  - Distance L1 max reading: 20 meters rear plates, 15 meters front plates
  - Height h max: 5 meters
  - Angle: Δa max = 25 °, 25 ° max = Δb (see Fig 1 Positioning ARTECO-LPR-CAM)
  - Accuracy in the street: 95% (plates clean and retro-reflective)
  - Synchronism: automatic, without the use of coils or other devices
  - Ability to read challenging plates with multiple color characters, fonts, and background

- IR Illumination
  - 96 IR LED pulse synchronized self-adaptive
  - Distance: 25 meters max
  - Viewing angle: 23 °

- Networking
  - Ethernet: 10/100 Mbit
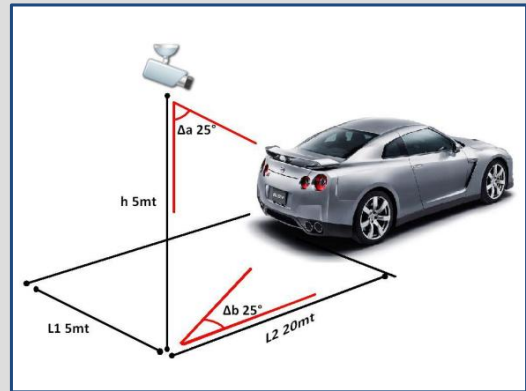
## ELECTRICAL & PHYSICAL SPECS

Power Specification
- Power supply: 220 Vac - 0.3 A
- Power consumption: 50 Watts max (with heater on)

Physical Characteristics
- Operating Temp: -25 ° C to +40 ° C
- Degree of protection: IP66
- Houses in painted aluminum
- Dimensions (WxDxH): 180x490x170 mm
- Weight: 6 Kg

## READING ANGLE SPECIFICATION



## HIGH SPEED DETECTION



## IP CAMERA SPECIFICATION