



Features

- Fully integrated license plate capture system: two imagers, illuminator, processor & media writer
- Trigger-less operation
- All-in-one solution for quick and easy installation and servicing
- Continuous day/night operation, providing high contrast images in a wide range of ambient lighting conditions from complete darkness to direct sunlight
- Weatherproof enclosure with heavy-grade security lock on door and anti-theft locking mechanism for securing unit to the mounting pole.
- Can be used as stand-alone or network enabled via cabled or wireless communication

The PTL unit is designed to provide an All-In-One solution for Public Transport (Bus) Lane enforcement (PTL). This all-inclusive device automates ticket issuing to violators from image capture to processed violation media.

The PTL system includes two cameras - an IR-illuminated black/white ANPR imager and a megapixel color camera. Both cameras capture an encrypted (optional) enforcement image with time-stamp. The PTL system also has a dedicated on-board processor and an optical media writer.

INEX/ZAMIR's PTL system assures validity in court as it processes the violation data within a single housing. The law enforcement agent easily removes optical media for back office processing and automatic issuing of tickets to violators.

Bus Lanes and Public Transport Lanes are becoming increasingly common in municipalities as a means of prioritizing public transport and emergency vehicles and preventing private traffic from causing queues in these lanes.

The PTL system provides for a database of all vehicles authorized to use the public transport lane, with optional time limitations. The very presence of a unit in the lane affects driver behavior and deters unauthorized use of the lane.

The imager automatically alters image capture settings providing excellent results in all weather conditions, daytime, nighttime, in direct sunlight and oncoming headlights - conditions which cause conventional imaging solutions to fail. The IR illumination is pulsed in synchronization with the multi-shuttered ANPR imager, thereby guaranteeing both a longer effective operating distance and a greatly extended life cycle.

The PTL includes an on-board data processing unit (DPU) preloaded with InSignia™ software and comes out-of-the-box ready to provide automatic number plate recognition.

Data subject to change without notice

General

| | |
|---------------------|---|
| Operating range | 11-66 feet (3.5-20 meters) Distance depends on installation height (angle) |
| Vehicle speed range | 62 mph (100 km/h) |
| Installation height | 3.3-4.3 m |

Operation

| | |
|-------------------------------|--|
| Illumination | Fixed array of 120 IR LEDs (ALPR camera only) |
| Min. Operating Luminance | 0 Lux |
| Exposure / illumination | User selectable multi-exposure sequence up to 8 settings |
| Exposure / illumination range | 20 to 1000 μ sec |
| Synchronization | Internal |
| Video Output | Raw BMP |
| Trigger Input | Unit works self-triggered |

Imager 1 (ALPR camera)

| | |
|--------------|---|
| Image Device | CCD |
| Image Sensor | 1/3" 0.4MP (752x480) |
| Frame Rate | User controllable, up to 50 images per second |

Imager 2 (overview camera)

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|--------------|--|
| Image Device | CCD |
| Image Sensor | 1/2" 2 MP (1600x1200) CMOS 2/3" 1.4 MP (1376 x 1032) CCD |
| Frame Rate | User controllable, up to 50 images per second |

Electrical

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|-------------------|--|
| DC Voltage | 100-250 VAC |
| Power Consumption | 250 Watts RMS |
| UPS battery pack | Short term UPS battery feature for 2 standard 12 Vh batteries (not included) |

Mechanical

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|---------------------------------|---|
| Lens Mount | CS Mount (varifocal lens provided with 0.4 and 1.2 MP cameras) |
| Dimensions (W x H x D) | W 400 mm H 540 mm H with mounting tube 700 mm D 320 mm |
| Unit Weight | 88 lbs (40 kg) |
| Housing Construction and Finish | Galvanized steel, painted in RAL7040 (Window Grey) |
| Cable Entry | Underside via mounting pipe |
| Mount | 5" (127 mm) light pole |

Environmental

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|-----------------------|-----------------------|
| Operating Temperature | -20 C to 60 C |
| Storage Temperature | -40 C to 70 C |
| Humidity | 0% to 100% condensing |
| Protection Level | IP65 |

Regulatory

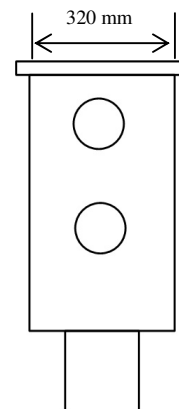
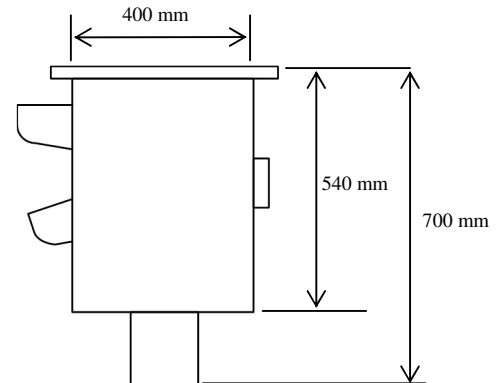
| | |
|----------------|---------------------------------|
| Emissions | FCC Part 15 Class B, CE Class B |
| Product Safety | CE |
| Eye Safety | Class 1 LED Product |

Connectors and Cables

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|-------------|----------------------------------|
| Input Power | Quick connect screw on connector |
|-------------|----------------------------------|

Miscellaneous

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| Screen | Built in LCD screen (16 characters) |
| Keypad | For operator data feed (clock, media ID etc.) |



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