



## Features

- Proven ALPR technology now available in a hand held portable configuration
- Ideal for parking violation enforcement, parking facility inventory and a variety of police applications
- Greater efficiency and throughput over manual data input solutions.
- High resolution sensor optimized for true day or night License Plate Recognition
- Models available for high-speed and distance applications
- Provides up to 60 progressive scan images per second

The LY family of portable license plate capture imaging systems brings the technology of Automated License Plate Recognition (ALPR) systems to a mobile application platform.

These new purpose-engineered imaging devices address the needs of parking, law enforcement and facilities management. Most current solutions require a manual entry of license plate information; a process that is slow and error prone. With the introduction of the LY imaging device there is a solution which allows license plate information to be read and recorded as you drive past a vehicle, or when a vehicle drives past you, with the added benefit of a visual record of every plate read by the system.

INEX/Zamir has applied the technology advancements of the HY190 high speed imaging device to the new LY family to create a high performance and yet very portable unit that delivers quality images necessary for high accuracy ALPR. Every LY unit employs an integral infrared LED light source thereby eliminating the need for any supplemental lighting. Models have been engineered for different tasks, and will provide effective operation at varying distances from imager to target.

## General

Maximum operating range----- 20 feet (6 meters)  
Vehicle speed range ----- 0 mph to 25 mph  
Distance from HY to DPU----- 15 ft (4.5 m)

## Operation

Illumination ----- Fixed array of 48 IR LEDs.  
Minimum Operating ----- 0 Lux  
Luminance-----  
Shutter----- User selectable multi-shutter, up to  
3 settings 1/2000 to 1/100,000  
secs  
Video Output Level ----- 1.0Vp-p, 75 Ohms

## Imager

Scanning System ----- EIA: >525 TV lines (H), 60  
frames/sec,  
CCIR: >550 TV lines (H), 50  
frames/sec  
Image Device ----- Interline transfer CCD  
Image Sensor----- 1/3"

## Electrical

DC Voltage ----- 12 VDC +/- 10%, Class 2 low-  
voltage  
Power Consumption----- 24 Watts

## Mechanical

Lens Mount----- CS Mount (16 mm lens provided)  
Dimensions (W x H x D)----- 3.8in x 3.8in x 10.9in (96mm x  
96mm x 210mm)  
Unit Weight----- 4 lbs (1.8 Kg)  
Housing Construction and  
Finish----- Powder coated aluminum  
Cable Entry----- Rear of camera  
Mount ----- Mounting rail with removable grip

## Environmental

Operating Temperature ----- -4 F to 122 F (-20 C to 50 C)  
Storage Temperature ----- -40 F to 152 F (-40 C to 70 C)  
Humidity----- 0% to 85% non-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

Input Connector to LY100 ----- Quick connect screw on connector  
for power and video  
Cable----- 15' integrated power and video  
cable  
Video Connection at ----- BNC  
Computer -----  
Power Connection ----- "Cigarette Lighter" style connector

Data subject to change without notice

