



INSTALLATION AND QUICK SETUP GUIDE

WWW.ICREALTIME.COM



www.ICRealtime.com

EL-ID1

Index – EL-ID1 Camera

Description	3
Parts List	4
Guidelines	5
Specifications of EL-ID1	6
Mounting the EL-ID1	7
Camera Adjustment	8, 9

Description

IC Realtime is pleased to introduce the EL-ID1, the most advanced license plate camera available. Installed at access points, the EL-ID1 captures plates of vehicles entering and exiting properties at speeds of up to 30mph, from a 15-25ft range. Built-in infrared illumination enables plate capture under any lighting condition; while intelligent saturation technology eliminates motion blur and headlight/sunlight glare for a high-contrast image.

Delivering perfect plate capture, the EL-ID1 allows the identification of front and rear license plates regardless of the weather or lighting conditions. The EL-ID1 is also a far more cost efficient solution than other plate cameras without sacrificing quality.

Main Features

- Clear Image of License Plate Under Most Weather Or Light Conditions
- Highly enhanced resolution of 600 TVL
- 1/3" IDX B/W CCD
- 16mm Fixed Omni-focus lens with multi-focusing technology
- Dual switching power (w/Auto Line-lock) 24VDC / 24VAC
- IP67 Weatherproof

Parts List

The items included in the packing box are as follows:

- EL-ID1 Camera
- Sunshield
- 24VDC 1.9Amp Power Transformer
- Instruction Booklet
- Power/Video Pigtail

Guidelines

These following installation guidelines must be followed for proper and consistent license plate capturing:

- The EL-ID1 must be installed and mounted in an area which is free from falling objects.
- The mounting surface must be secure to handle the weight of the camera and free from vibration.
- When the camera is mounted and initial setup is ready it would ensure consistency to park a vehicle at the capture point for testing purposes.

CAUTION

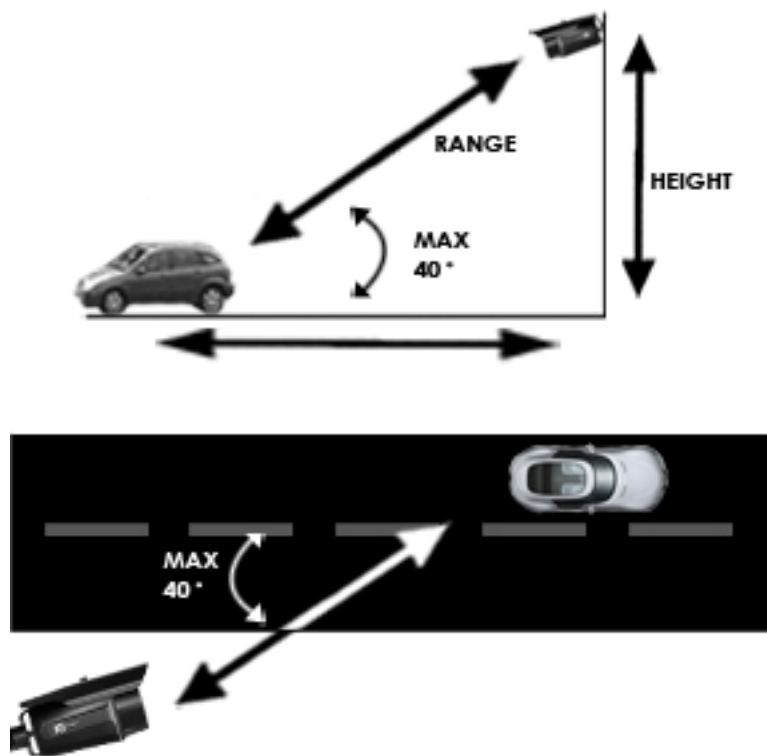
Install the EL-ID1 in an appropriate location which does not exceed any environmental conditions as noted on the specifications (pg.6).

Specifications

Image Sensor	1/3" IDX B/W CCD
H.Resolution	600 TVL
Effective Pixels	768(H)X494(V)
Scanning System	2:1 Interlaced
Synchronization System	Internal
S/N Ratio	Greater than 50dB (AGC Off)
Video output	1.0Vp-p Composite. 75 Ohms
Min. Illumination	0 Lux at F2.0 (IR On)
Shutter Speed	1/1000 sec
Gamma correction	Standard $r=0.45$
Smear Effect	0.005%
Power source	24VDC / 24VAC
Operating current	At 24VDC 1AMP
Lens	16mm fixed omni-focus lens(multi-focusing)
Viewable Distance	> 16ft in zero light
IR Spectrum	850nm
Operating Temperature	14°F~122°F (-10°C~+50°C) // -40°F~122°F (-40°C~+50°C) - with heater option
Measurement (mm)	121.5(D) X 164(L)
Weight (Approx.g)	900
Humidity	Within 90% RH

Mounting the EL-ID1

Mounting the EL-ID1 in an ideal location will ensure consistency of license plate capturing during all weather and lighting conditions. The EL-ID1 camera has a 16mm omni-focus lens. This will output a video signal with a horizontal FOV (Field of View) of 17.06° and a vertical FOV of 12.84° . The EL-ID1 is effective from a 15-25ft range. Though, optimal distance from the camera to the capture point is 18ft. This will result in a capture width of 5.4ft and a height of 4.1ft. For greater consistency also make sure the camera does not exceed a horizontal or vertical angle greater than 40° from the car's license plate. Mounting the camera at a greater angle will result in inconsistency and fewer legible characters on the license plate. Even though 40° is the maximum mountable angle the ideal location would be closest to 0° from the car on both horizontal and vertical angles. See the diagram below for mountable angles.



Camera Adjustments

The IR potentiometer is the only camera adjustment on the EL-ID1. This allows the user to adjust the intensity of the IR's for different capture points. To access this mechanism please follow these steps:

- Access the IR potentiometer by removing the round entry plate located on the top of the EL-ID1. Turn Counterclockwise for removal (see below).



- When the plate has been removed, utilize a small Phillips Head screw driver to adjust the IR potentiometer (see below). Counter clockwise will increase the IR intensity. Clockwise will decrease the intensity of the IR's.





www.ICRealttime.com

Corporate Headquarters:
3050 N. Andrews Ave. Ext.
Pompano Beach, FL 33064
PH: (954)-772-5327
FX: (954)-827-5900

West Coast Office:
14200 West Van Buren St.
Suite C-106
Goodyear, AZ 85338
PH: (602)-910-3432
FX: (602)-626-3545

European Office:
34 Eastgate Drive
Little Island, Cork
Ireland
PH: 021 435-5818
FX: 021 435-5817