

## License Plate Recognition

April 2007

### InSignia 4 AIU-HY Integrated License Plate Aerial Imaging Unit

#### Description

The InSignia AIU-HY (Aerial Imaging Unit) is designed to capture license plate images in all lighting conditions; day or night, in all weather conditions.

The InSignia 4 AIU housing meets IP66 standard for protection against moisture and dust. The InSignia AIU has been successfully tested under extreme conditions, including vibrations up to 20G and in temperatures between -50 °C and +60 °C.

The integrated camera and illuminator unit contains:

- high-resolution image sensor
- pulsed infra-red LED illumination system
- multi-shutter image capture feature
- Zamir's proprietary DynaCapture™ imaging unit controller

The InSignia 4 AIU eliminates the need for supplemental lighting while providing the most advanced license plate capture and recognition system available.



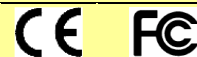
#### Main Features

- ✓ DynaCapture™ image capture technology
- ✓ High-Resolution CCD image sensor
- ✓ Long-Life pulsed LED-based illumination system
- ✓ Near-IR illumination
- ✓ Image capture up to 35 meters (115 ft)
- ✓ Compatible with Zamir's Virtual Vehicle Detector™
- ✓ Operates in triggered or non-triggered mode

#### Technical Data

Scanning System	EIA: >525 TV lines (H), 60 frames/sec, 2:1 Interlace CCIR: >550 TV lines (H), 50 frames/sec, 2:1 Interlace
Image Device & Sensor	Interline Transfer CCD 1/3" or 1/2"
Imaging Distance	3-35 m (10-115 feet)
Synchronizing System	Internal or external
Video Output Level	1.0 Vp-p @ 75 Ω
Illumination	Pulsed IR LEDs
Eye Safety	Class 1 LED Product; IEC 60825-1 (2001-08)
RMS Power Consumption	45W
Power Supply	24 V DC, Class 2 low-voltage
Operating Temperature	-40 °C to +60 °C (-4 °F to +122 °F)
Relative Humidity	85% non-condensing; IP66
Mounting	1/4"-20 UNC
Housing Body and Sunshade	Anodized 6063T5 aluminum
Front and Back Cover	Black Gely Resin XTWM 200 for weather capability
Dimensions Housing (with sunshade)	H 140 mm (5.5"); W 210 mm (8.3"); L 460 mm (18.1")
Weight	5-7 kg (11-15 lb)

*Specifications are subject to change without notice*



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