INEX/ZAMIR

DY Digital ALPR MegaPixel Camera/Illuminator

The DY Camera/Illuminator provides megapixel images of license plates for use with Automated License Plate Recognition (ALPR) systems in all lighting and weather conditions, day or night. High accuracy ALPR requires high quality images, and the DY offers many built-in features to *meet and exceed* the toughest performance requirements.

The DY builds on our success in providing industry-leading license plate recognition cameras and brings to market a family of digital, megapixel imagers providing wide field-of-view images suitable for the most demanding license plate recognition applications.

The DY incorporates an integral infrared LED light source using our proven DynaCapture™ pulsed illumination technology. The result is a consistently high quality stream of images with varying contrast characteristics, giving an effective operating range of up to 100 feet (30 m) regardless of the time of day, oncoming headlights or weather conditions. And our integrated light source eliminates the need for external supplementary lighting.

The DY, with its ability to provide over 50 images per second, is the perfect choice for high speed applications. Our technology has been successfully deployed in open road tolling and travel time applications around the world. The DY is also suitable for low speed applications, such as access control and parking revenue management.

Features

- Megapixel GigE Vision™ image sensor optimized for License Plate Recognition
- Available in 3 models for lane width coverage greater than 12 ft (3.7 m)
- Integrated pulsed infrared LED illumination system
- Performs equally well with fast or slow moving traffic
- Provides up to 50 images per second
- Continuous day/night operation, with high contrast images even in direct sunlight

INEX/ZAMIR

DY Digital ALPR MegaPixel Camera/Illuminator

General

Max. operating range	100 ft (30 m)
Vehicle speed range	> 120 mph (190 km/h)
Distance HY to DPU	300 ft (100 m) with CAT5e cable

Operation

Illumination	Fixed array of 180 IR LEDs
Min. Operating Luminance	0 Lux
Exposure / illumination	User selectable multi-exposure sequence up to 8 settings
Exposure / illumination range	20 to 1000 µsec
Synchronization	Internal or external
Video Output	Raw BMP
Trigger Input	Dry contact closure on camera

Imager

Image Device	CCD
Image Sensor	1/4" 0.4MP (752x480) 1/3" 1.24MP (1280x960) 1/2" 2.0MP (1600x1220)
Frame Rate	User controllable, up to 50 images per second

Electrical

DC Voltage	24 VDC +/- 10%, Class 2 low-voltage 24VAC +/- 5%, Class 2 low-voltage
Power Consumption	20 Watts RMS

Mechanical

Lens Mount	CS Mount (varifocal lens provided with 0.4 and 1.2 MP cameras)
Dimensions (W x H x D)	8.3in x 5.5in x 18.1in (210mm x 140mm x 460mm)
Unit Weight	8 lbs (3.6 kg)
Housing Construction and Finish	Anodized 6036T5 aluminum
End Cap Construction and Finish	Black Polyamide 12 with extra UV protection (front and rear)
Cable Entry	Underside of camera
Mount	¼" – 20 UNC hole pattern to match iRAM and most standard CCTV mounts

Environmental

Operating Temperature	-30º F to 122º F (-34º C to 50º C)
Storage Temperature	-40º F to 152º F (-40º C to 70º C)
Humidity	0% to 100% condensing
Protection Level	IP66

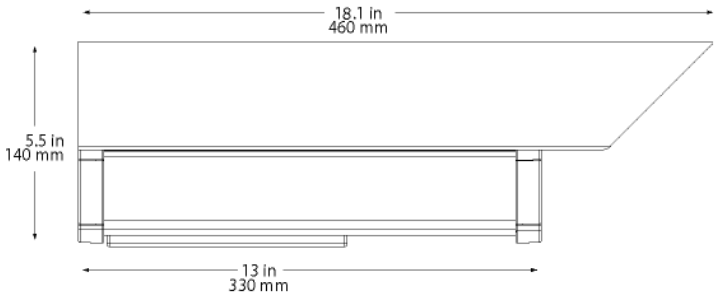
Regulatory

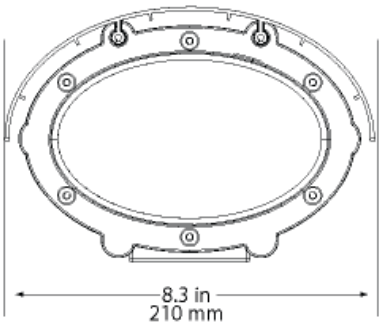
Emissions	FCC Part 15 Class B, CE Class B
Product Safety	CE
Eye Safety	Class 1 LED Product

Connectors and Cables

Video	RJ45
Input Power/ Trigger/Comms	Quick connect screw on connector Water tight glands available upon request

Data subject to change without notice





10870 Murdock Dr
Knoxville, TN 37932
USA
865-671-1400

Manachat Technology Park
Building 1/22
IL-96951 Jerusalem, Israel
+972-2-679-7460

www.inexzamir.com