



USDOT NUMBER RECOGNITION CAMERA WITH NEAR/FAR LANE SENSORS



Dual Sensor Technology: Delivers both color and B&W infrared-illuminated images of the vehicle and license plate.



Edge Processing ALPR Engine: Less than ¼ of a second plate processing time.



Vehicle & License Plate Recognition: Plate Type & Plate State of Issue, Missing Plates. Vehicle Detection & Classification, Color, Make & Model.



Anti-Glare Technology: Eliminates headlight glare, providing legible plate images with high contrast.



Motorized Zoom and Auto Focus: Easy deployment, seamless calibration, and improved ergonomics.

The **IZA800GDOT** ALPR camera is specifically designed for Intelligent Transportation System (ITS) Video Enforcement Systems (VES) to read USDOT Numbers on the sides of vehicles. This functionality serves as a complementary toll revenue collection method when RFID or license plate reading methods fail, such as in cases of tampering.

The IZA800GDOT is an all-in-one unit that integrates near and far lane sensors, AI on-edge processing powered by an NVIDIA GPU, and advanced video analytics software. It automatically recognizes USDOT data and other vehicle metadata, while also streaming video. The camera maintains high accuracy in all lighting and weather conditions, even at high vehicle speeds. To ensure reliable operation over multiple years, the camera includes several redundancy mechanisms.



ACHIEVE UNMATCHED ACCURACY WITH USDOT NUMBER RECOGNITION CAMERA'S NEAR/FAR LANE SENSORS

General

Models	IZA800GDOT
ALPR Capture Distance	Near Lane - Up to 30 ft (9.1 m) Far Lane - Up to 45 ft (13.7 m)
Vehicle Speed	Up to 80 mph (129 km/h)
Field of View (FOV)	HFOV: 20 ft (6.1 m) VFOV: 10 ft (3.0 m)

Optics

Primary Sensor Shutter Type	Global
Primary Sensor Resolution	2048x1536
Secondary Sensor Shutter Type	Global
Secondary Sensor Resolution	2048x1536
Lens Adjustment	Motorized

Illumination

Number of built-in LEDs	0
ALPR External Strobe	Yes (Near Lane)
Overview Camera External Strobe	Yes (Far Lane)
Compatible External Illuminators	IZS2-IR-H120

Computing

Processor Type	GPU
Data Storage	128 GB

Compression Codecs	MJPEG, H.264, H.265
Operating System	Linux
Video Streaming	RTSP
Trigger Modes	Triggered

Electrical

Power Input	24 VDC
Power Consumption	25 Watts
Network Connection	GigE Ethernet (10/100/1000M)

Mechanical

Dimensions	6.7" x 4.7" x 17.7"
(W x H x D)	(171 mm x 119 mm x 451 mm)
Weight	9.0 lbs (4.1 Kg)

Environmental

Designed for outdoor use with proper installation. Ingress Protection	IP67
Operating Temperature	-22°F to 140°F (-30°C to 60°C)
Storage Temperature	-22°F to 158°F (-30°C to 70°C)
Certifications	FCC Part 15 subpart B; CE

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