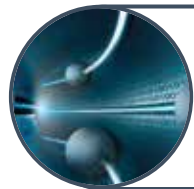


**Dual Sensor Technology:** Delivers both color and B&W infrared-illuminated images of the vehicle and license plate.



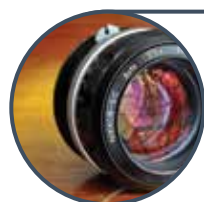
**Edge Processing ALPR Engine:** Less than ¼ of a second plate processing time.



**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 **IZA800GVES** ALPR camera is specifically designed as a primary sensor for Intelligent Transportation System (ITS) Video Enforcement Systems (VES). It serves as a primary toll video collection sensor and is also used in toll road auditing and traffic enforcement systems.

The IZA800GVES is an all-in-one unit that combines two sensors (IR and color), AI on-edge processing with an NVIDIA GPU, and ALPR software, delivering automatically recognized license plate data and streaming video. It offers the most accurate license plate reading system on the market, processing images in real-time and on the edge. The camera outputs license plate data, vehicle metadata, and video streams, maintaining high accuracy in all lighting and weather conditions at vehicle speeds of up to 120 miles per hour.

The imaging system utilizes Inex Advanced anti-glare technology with a multi-illumination mechanism. It features built-in illumination in IR or deep red, or visible wavelengths, depending on the selected option, and it can connect to Inex external illuminators. To ensure multiyear reliable operation, the camera includes multiple redundancy mechanisms, such as processing rollover from one camera to another and various degraded modes of operation.



### DUAL-SENSOR PRECISION FOR OPEN ROAD TOLLING, ITS, AND TRAFFIC ENFORCEMENT

#### General

Models	<b>IZA800GVES Series</b>	Compression Codecs	MJPEG, H.264, H.265
ALPR Capture Distance	Up to 80 ft (24 m)	Operating System	Linux
Vehicle Speed	Up to 120 mph (193 km/h)	Video Streaming	RTSP
Field of View (FOV)	14 ft (H) x 10 ft (V) (4.3 x 3.0 m)	Trigger Modes	Triggered and Non-triggered

#### Optics

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

#### Electrical

Power Input	24 VDC
Power Consumption	25 Watts
Network Connection	100BASE-TX, 2 pairs, Full Duplex

#### Illumination

LED Wavelengths	Infrared, Deep Red, Visible Warm White
Number of built-in LEDs	15 or 10 IR; 5 Warm White
LED Beam Angles	L-15°x15°, S-40°x16°
Overview Camera External Strobe	Yes
RS-485 External Illuminator Communication	Yes
Compatible External Illuminators	IZSVES

#### Mechanical

Dimensions (W x H x D)	6.7" x 4.7" x 17.7" (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

#### Computing

Processor Type	GPU
Data Storage	250 GB

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