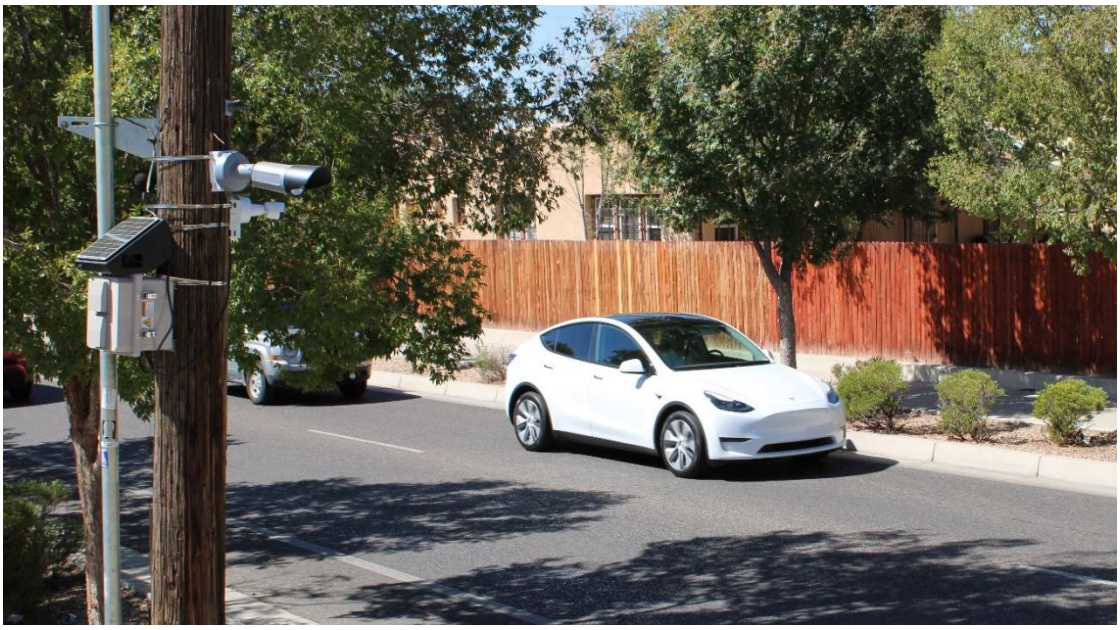
NoiseTracker™

The **NoiseTracker**™ is a patented noise-activated camera system designed to automatically identify illegally-loud motor vehicles. It features Class 2 decibel measurements, noise source localization, license plate recognition of offending vehicles, and capture of the full environmental context. Evidence from captures is automatically encrypted and uploaded to a cloud server where it can be remotely accessed. The system operates reliably day and night, in all weather conditions. The system requires a standard 120 V AC electric outlet.



NoiseTracker™

Sound Level Meter

Measurement accuracy:	IEC 61672-1:2014 Class 2
Range:	40-120 dB(A)
Sensitivity:	12,6 mV/Pa (-38dB re 1V/Pa)
Sample rate:	48 kHz
Measurement types:	LAfast, LAslow, LAeq, LAmax, Lamin
Casing:	IP67
Operating conditions:	0 °F to 125 °F (-15°C to 50°C)

Simple to calibrate and/or replace parts

Microphone Array

Microphones:	Omnidirectional digital MEMS
Acoustic overload:	120 dBSPL
Sensitivity:	-26 dBFS ± 1dB
Signal-to-noise ratio:	64 dB
Operating conditions:	-40 °F to 185 °F (-40°C to 85°C)

EMI-shielded

SMD-compliant

License Plate Camera

Vehicles speeds:	Up to 81 mph (130 km/h) day and night
Infrared night range:	Up to 50 m (164 ft)
Resolution:	1920x1080 HDTV 1080p to 160x120
Zoom:	8x optical zoom
Frame rate:	Up to 50/60 fps (50/60 Hz) in all resolutions
Casing:	IP66- and NEMA 4X-rated
Operating conditions:	-40 °F to 140 °F (-40 °C to 60 °C)

Wide-Angle Camera

Resolution:	2688x1512 to 640x360
Frame rate:	Up to 25/30 fps
Horizontal field of view:	130°
Casing:	IP66-/IP67-, NEMA 4X- and IK08-rated
Operating conditions:	-22 °F to 125 °F (-30 °C to 50 °C)

Cloud Server

- The system is connected to the cellular network in the field
- Captures are uploaded to a cloud server to enable remote monitoring and management
- Enhances accessibility and reduces infrastructure costs
- Employs advanced encryption and authentication technologies to protect data
- Identity masking and auto-redaction ensure compliance with privacy regulations