

Illegal Dumping Use Case

Illegal dumping is a persistent environmental and public health issue, often occurring in remote or unattended areas where monitoring is difficult. Traditional surveillance systems struggle with frequent false alarms triggered by animals or weather conditions, resulting in wasted resources and insufficient evidence for enforcement.



"Illegal dumping costs taxpayers millions of dollars annually." – U.S. Environmental Protection Agency



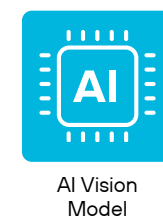
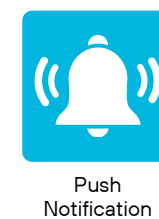
Solution

OutWatch provides an effective solution through its AI-based alarm monitoring system. By integrating with any existing camera or NVR, OutWatch implements an AI vision analytics model that processes alarm images to:

- ✓ Identify and classify potential threats with **98% accuracy**
- ✓ Distinguish genuine alerts from false triggers
- ✓ Reduce false alarms by approximately **95%**

Only when a verified threat is detected, OutWatch sends real-time notifications, to allow accurate and prompt response.

OutWatch revolutionizes the fight against illegal dumping by delivering reliable, real-time alerts and minimizing the burden of false alarms. Its advanced analytics and universal compatibility make it an essential tool for protecting the environment and supporting enforcement efforts.



How It Works?

- 1 **Camera Detection** - Cameras with motion detection/analytics send alarms to OutWatch server.
- 2 **OutWatch Analysis** - Alarm images are processed through proprietary AI Vision analytics model and system identifies and classifies potential threats.
- 3 **Smart Notification** - Push notifications sent immediately to end-user smartphones. Only verified threats of interest trigger alerts.



OutWatch can be defined to alerts only when trucks are detected

Benefits

Reliable Evidence Capture

OutWatch delivers verified footage of illegal dumping actions, providing law enforcement and environmental agencies with evidence for prosecution and deterrence.

Resource Efficiency

By filtering false alarms, OutWatch enables authorities to focus their efforts on genuine threats, saving time and resources.

Customizable Detection

Users can adjust sensitivity levels and define objects of interest, tailoring the system to the unique needs of each monitoring site for optimal performance.

"Our goal is to eliminate illegal dumping, We're paying a very high cost, and we want solutions that may help us reduce our costs." – Jim Minor, Solid Waste and Recycling for Beaufort County, South Carolina