

ClearVision for Flood Detection

Increase public safety with Vision AI to detect and monitor water levels on streets, intersections, highways, and more.

Unexpected Flooding quickly becomes a major safety issue for both drivers and pedestrians, along with risks of property damage. Fast response times are critical for public safety efforts.

ClearVision Flood Detection & Monitoring

ClearVision for Flooding applies AI to video feeds from existing traffic cameras to identify water, the surface area covered, and water depth to measure risk and alert the proper response teams to keep civilians safe.

Here's how it works:



Use Existing Traffic Cameras

Leverage existing cameras where available, or install new cameras to monitor flood-prone areas.



AI Analysis via the Cloud

ClearObject's cutting-edge AI solution analyzes video footage to track the severity of the flooding and alert authorities.



Real-time Worker Alerts

Custom alerts can notify response teams to deploy and set up signage, clear drains, or redirect traffic as appropriate.



Intelligence Dashboards

Improve safety over time connecting flooding events to weather patterns, allowing for earlier warning and improved safety planning.

See it in
action!



Vision AI: Building Stronger Communities

ClearObject Artificial Intelligence is being used in practical public safety solutions today. ClearObject's unique solutions leverage new and existing video feeds to create insights that improve oversight, identify risks, notify authorities, and measurably improve public safety.

ClearObject is a trusted Google Cloud Partner in SLED, with deployment expertise in cities, towns, roadways, and more. We work with you to keep the public safe, improve incident response preparedness, and create better communities for all.

Vision AI Mini-Case Study: ClearObject builds a city-wide platform for measuring flood levels

The Problem

As climate patterns change and rainfall increases, so does the frequency and severity of flood events on roadways, intersections, tunnels, etc.

Small puddles can become big problems quickly, creating risks for drivers and pedestrians, causing property damage, and disrupting public safety.

Finding and addressing problem zones relied on public complaints, as all traffic cameras could not be monitored.

The Solution

ClearObject and Google Cloud designed a solution using feeds from existing traffic cameras to identify water, the surface area covered, and the approximate depth of the water in order to alert the proper response teams and keep civilians safe.

Color-coding on existing maps help workers identify the highest priority areas to improve response time, protect the public, and minimize damage.



Trusted by:



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