SOLUTION SHEET · VIDEO ANALYTICS API & WEBHOOKS

Camera Events in Your Own Systems, as They Happen

Every line crossed, zone joined, queue and occupancy change from CrowdSense Desktop is available over a REST API and webhooks. Feed it into your event app, your screens, your data warehouse or your operations tools.

The Dashboard Is Fine. Your Systems Need the Data.

A portal is the right place to look at counts. But the event app needs the queue time, the screens need occupancy, the operations log needs the alert and the data team wants everything in the warehouse.

CrowdSense Desktop sends every event to the portal, and the portal hands it on: webhooks push each event as it happens, and the REST API serves history and totals on request.

What You Can Build On

Real-time webhooks

Each event, such as a line crossed or a zone joined, pushed to your endpoint as it happens.

REST API

Query counts, totals and history by camera, rule and period from your own code.

Every event type

Line crossed, zone joined and left, loitering, occupancy, queue length and wait time, and speed.

People and vehicles apart

Each event says what was detected, so people and each vehicle type can be handled separately.

Widgets without code

Embeddable widgets for websites and screens when a live number is all you need.

Many sites, one API

Events from every site and PC arrive through the same portal and the same API.

From Camera to Your Code in Four Steps

01 **Install on a Windows PC**
Download CrowdSense Desktop and install it on a Windows 10, 11 or Server PC on the same network as your cameras, then sign in.

02 **Add your cameras**
Paste in each camera's RTSP address, find it over ONVIF, or plug in a webcam. Choose the detection profile that fits each camera: people, vehicles and people, or faces.

03 **Draw the rules**
Draw the lines and zones that should produce events, and name them so your code can tell them apart.

04 **Connect your endpoint**
Add a webhook URL in the portal, or call the REST API, and handle events in your own system.

Camera set-up

- Any IP camera that streams over RTSP works, and a USB webcam is handy for testing at your desk.
- Name each line and zone clearly. The name travels with every event and is what your code will filter on.
- Choose the detection profile per camera: people, vehicles and people, or faces.
- One feed is one camera stream. Count your feeds before you size the PC: see the hardware guide.

Who Builds With It

Event app and tech teams
Queue times, occupancy and gate counts inside the event app and on the big screens.

Systems integrators
Camera analytics into access control, signage, PA and building systems.

Data and BI teams
Every event in the warehouse alongside ticketing and sales.

Developers and agencies
Custom dashboards, alerts and experiences on top of live camera counts.

Privacy

CrowdSense Desktop analyses the video on the Windows PC it is installed on. What reaches the portal is text: a line was crossed, a zone filled, a queue grew. No video and no images are uploaded, and nothing sent can identify a person.

The software detects people and vehicles so it can count them; it does not identify anyone. No facial recognition, no biometric identification of people. Ever. Your cameras, your recordings and your footage stay on your site, under your control.

Price

Event pass	Always-on	Free trial
$195	**From $39**	**14 days**
per feed, per event	a feed a month, yearly plan	up to 4 feeds

All prices in Australian dollars, excluding GST. One feed is one camera stream.

Questions

Which events are available?
Line crossed, zone joined, zone left, loitering, occupancy, queue length and wait time, and speed, with the camera, the rule and the time of each.

Webhooks or the API?
Use webhooks to react to events as they happen. Use the REST API to pull history and totals when you need them. Most integrations use both.

Is any video or image available over the API?
No. The API and webhooks carry events and counts only. Video stays on your PC.

Can I test without installing cameras?
Yes. Plug in a USB webcam, draw a line on your desk and walk past it.

Try it free for 14 days on your own cameras
crowdsense.events/desktop/start · Online: crowdsense.events/video-analytics/video-analytics-api