SOLUTION SHEET · AIRPORT & TRANSPORT HUB ANALYTICS

Passenger Flow, Queues and the Kerb, From the CCTV You Have

Measure the flow through entrances and corridors, the queues at check-in and screening, and the vehicles at the kerb. At airports, stations and the shuttle hubs that empty a stadium.

A Hub Moves on a Timetable. Crowds Arrive in Waves.

A flight lands late, a match finishes early, a train is cancelled, and a terminal or a station fills faster than the plan. Screening lines back up, the kerb jams and the shuttle queue stretches down the street.

Most hubs already have cameras on every one of those places. Counting from them gives operations live flow, queue and kerbside numbers to act on, and the history to plan for the next wave.

What Operations Can See

Flow through entrances and corridors

Two-way counts at doors, gates and corridors, by hour and day.

Queues at check-in and screening

Queue length and wait time per zone, with alerts when a threshold is crossed.

Occupancy of lounges and gates

Live occupancy of waiting areas against their capacity.

Kerbside vehicles

Cars, vans and buses counted and timed in drop-off and pick-up zones.

Heatmaps and tracks

Where people move and gather across a concourse, for layout and concession decisions.

Into your systems

REST API and webhooks into operations systems, plus widgets for staff and passenger screens.

Measure a Hub 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 lines and zones**
Lines across entrances and corridors, zones over queues, lounges and kerbside bays.

04 **Run on the numbers**
Flow, queues, occupancy and kerbside traffic in one portal, with alerts and webhooks.

Camera set-up

- Mount anywhere from looking straight down (0°) to level with the scene (90°). For doorways, a view from above and in front of the flow keeps people from hiding behind each other.
- A person needs to fill at least 3% of the frame's width. If they look tiny on screen, zoom in or move the camera closer.
- For vehicles, use the AI vehicles & people profile and a camera angle between 20° and 90°: angled or side-on, not straight down.
- A high camera over a queue or concourse separates people better than one at head height.
- Large hubs spread feeds over several PCs. Each reports to the same portal.

Who Runs It at a Hub

Stadium and event transport
Shuttle, rail and rideshare hubs at ingress and egress, when thousands move at once.

Regional airports
Terminal flow, screening queues and the kerb, from existing CCTV.

Rail and bus interchanges
Platform and concourse crowding and queue data for operations.

Ports and ferry terminals
Boarding queues and terminal occupancy around each departure.

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

Does it work with our existing CCTV or VMS?
It works with any camera stream available over RTSP, whether from the camera directly or from a recorder. ONVIF helps find the streams but is not required.

Can alerts reach our operations centre?
Yes. Threshold alerts appear in the portal and can fire webhooks into the systems your operations team already uses.

Does it identify passengers?
No. It counts people and vehicles and measures queues. It does not identify anyone, read plates or recognise faces.

How many cameras can one PC run?
An i7 with 32 GB runs about 7 to 15 AI feeds, and an i9 with 64 GB and a GeForce RTX card 30 or more. Larger sites use several PCs.

Can we run it for one event?
Yes. An event pass is $195 per feed for an event of up to 5 days, ex GST.

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