SOLUTION SHEET · PARKING ANALYTICS

Tell Drivers It Is Full Before They Queue to Find Out

Count vehicles in and out of every car park and overflow paddock, and CrowdSense keeps a live occupancy for each. Alerts when it fills, widgets for the signs at the road, and the history to plan the next event.

The Car Park Fills. The Sign at the Road Still Says Open.

On event day, car parks fill in minutes and drivers keep turning in because nobody has told them. Marshals radio a guess, the overflow opens late and the queue backs onto the road.

Counting vehicles in and out of each car park keeps a live occupancy, so the alert goes out and the sign changes before the last space goes, not after.

Every Car Park, Counted Live

Entries and exits

A line across each entry and exit counts vehicles both ways, by type.

Live occupancy

Vehicles in each car park, level or paddock, kept as a running total.

Zone counts and dwell

Draw a zone over a row, a drop-off bay or a loading area and see how many vehicles are there and for how long.

Full alerts

Set thresholds per car park and the portal alerts the team, or fires a webhook, as it fills.

Widgets for signs and apps

Live spaces or occupancy on a screen at the road, on your website or in your event app.

History for the next plan

Fill times, peaks and turnover by event and by day, for the next traffic and parking plan.

Live Parking 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 AI vehicles & people profile, which tells a bike from a car, van, truck or bus.

03 **Line the entries, zone the bays**
Draw a line across every way in and out, and zones over any area where you want a direct count or dwell.

04 **Watch it fill**
Occupancy per car park appears in the portal live, with alerts at the levels you choose.

Camera set-up

- Every way in and out needs a counting line, or the total drifts. Include exit-only lanes.
- For vehicles, use the AI vehicles & people profile and a camera angle between 20° and 90°: angled or side-on, not straight down.
- A vehicle needs to fill at least 4% of the frame's width seen from the front or back, or 10% seen side-on.
- Overhead-angled or side views both work. Avoid views where vehicles queue nose to tail and hide one another.

Who Counts Their Car Parks

Festivals and shows
Paddocks, overflow areas and park-and-ride, live on the day and in the post-event report.

Stadiums and venues
Occupancy across the precinct's car parks, on the signs and in the venue app.

Councils
Town centre and foreshore car park occupancy, shown to drivers before they arrive.

Shopping centres and campuses
Level-by-level occupancy and turnover, without a sensor in every bay.

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

Do I need a sensor in every bay?
No. Counting the entries and exits gives occupancy for the whole car park. For a smaller area, a zone over the bays counts the vehicles directly.

Can it drive a sign at the entrance?
Yes. Embed the live figure as a widget on a screen, or send it over the REST API or webhooks to your sign or parking system.

Does it read number plates?
No. It counts and classifies vehicles. It does not read plates or identify vehicles or drivers.

What about a grass paddock with no gates?
Put the counting lines on the tracks in and out. If there are no cameras there, we hire Vision Nodes and crew for events.

Can I run it all year?
Yes. Venues and councils use the always-on plan, from $39 a feed a month on the yearly plan ($69 month to month for up to 9 feeds), ex GST.

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