SOLUTION SHEET · VEHICLE COUNTING

# Count the Traffic, Not Just the Crowd

CrowdSense Desktop counts vehicles crossing a line or sitting in a zone and tells a car from a van, a truck, a bus or a bike. Event access roads, drop-off zones and local streets, from cameras you already run.

## The Traffic Plan Was Written Before Anyone Arrived

Event traffic plans, council counts and road studies tend to rely on a tube count from last year or a person with a clipboard on the day. Neither tells you how many buses arrived in the last hour, or how long the drop-off zone has been full.

Counting and classifying vehicles from a camera gives you that answer live, by type and by direction, and keeps it as history for the next plan.

## What a Camera Can Tell You About Traffic

### Counts by direction

A line across a road or an entry counts vehicles each way, so arrivals and departures are separate.

### Classified by type

Each vehicle is classed as a bike, car, van, truck or bus, so a shuttle count is not lost in the car count.

### Zones and dwell

Draw a zone over a drop-off bay or loading dock and see how many vehicles are in it and for how long.

### People and vehicles apart

The same camera counts pedestrians and vehicles separately, which suits shared entries and crossings.

### Patterns by hour

Volumes by hour, day and event, for traffic management plans and reports.

### Data where you need it

Dashboards and reports in the portal, plus the REST API and webhooks for your own systems.

## Count Vehicles 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 **Draw lines and zones**
Draw a counting line across each lane or entry, and a zone over any bay where dwell matters.

04 **Watch the traffic**
Counts by type and direction appear in the portal live, with hourly and daily reports.

## Camera set-up

- 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.
- A side-on or slightly raised view separates vehicles best. Avoid a view where queued vehicles hide behind each other.
- Bad weather and night reduce what any camera sees. Check the picture at the hours you need to count.

## Who Counts Vehicles With It

**Event traffic managers**
Arrivals, shuttles and rideshare at the access roads and drop-off zones, live on the day.

**Councils**
Local street volumes by type for planning, without a tube count every season.

**Venues and precincts**
Delivery, coach and car movements at service entries and forecourts.

**Traffic consultants**
Classified counts from existing cameras for audits and studies.

## 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 vehicle types does it recognise?**
The AI vehicles & people profile classes each vehicle as a bike, car, van, truck or bus, and counts pedestrians separately.

**Can it read number plates?**
No. It counts and classifies vehicles. It does not read plates or identify any vehicle or person.

**What camera angle works best?**
An angled or side-on view between 20° and 90°, where vehicles do not overlap much. A vehicle needs to fill at least 4% of the frame width from the front or back, or 10% side-on.

**Can it measure speed too?**
Yes, as an estimate from two calibrated lines. See vehicle speed detection.

**What if we have no cameras on the road?**
For events, we hire Vision Nodes and the crew to set them up. Start with the events quote.

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