SOLUTION SHEET · PEOPLE COUNTING

Count Every Gate With the Cameras You Already Have

CrowdSense Desktop turns existing IP cameras and webcams into people counters. Draw a line across a gate, a door or a walkway and watch entries, exits and footfall build in the portal, live.

The Tickets Say Who Bought. The Gates Know Who Came.

Ticket scans, clicker counts and next-day estimates all miss something: the free entry, the pass-out, the side gate nobody was watching. By the time the numbers are reconciled, the event is over.

Most venues and precincts already have cameras on the gates and walkways. Counting from those feeds gives a live, two-way number at every entry, without new hardware on the fence.

What You Get From a Line on a Camera

In and out at every entry

A line drawn across a gate counts people in each direction, so you see arrivals, departures and the difference.

Footfall by hour and by day

Counts roll up into hours, days and weeks for the reports your board, your sponsors or your council ask for.

Zones and dwell

Draw a zone around a stage front, a forecourt or a shopfront and see how many people join, leave and stay.

Heatmaps and tracks

Where people walk and where they gather, drawn over the camera view, for planning the next layout.

Every site in one portal

Several gates, venues or locations side by side, with unlimited users and roles to match who needs to see what.

Into your own systems

Embeddable widgets for screens and websites, plus the REST API and webhooks for anything else.

From Camera to Count 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 people profile.

03 **Draw a counting line**
Draw a line across each gate or doorway, and a zone wherever you want to know how many people are inside.

04 **Watch the count**
Entries, exits and footfall appear in the portal as they happen, with reports and alerts on top.

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.
- Put the line where everyone has to cross it, away from the edge of the frame, so a person is fully in view as they pass.
- Even light helps. A gate lit from behind in the late afternoon is harder to count than one lit from the front.

Who Counts With It

Festivals and events
Live attendance at every gate, and an honest total for the sponsor report after the last act.

Stadiums and venues
Entry rates by gate during ingress, using the cameras the venue already runs.

Councils and precincts
Footfall on main streets, malls and parks, measured the same way every week of the year.

Museums, galleries and attractions
Visitor numbers by day and by entrance, for grant acquittals and opening-hours decisions.

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 special cameras?
No. Any IP camera that streams over RTSP works, and ONVIF makes finding the stream easier but is not required. A USB webcam works too.

Does it count people going both ways?
Yes. A counting line records each crossing with its direction, so the portal shows entries, exits and how many people are inside.

Is any video sent to the cloud?
No. The video is analysed on your Windows PC. Only the events, such as a line crossed in a direction at a time, are sent to the portal.

How many cameras can one PC handle?
It depends on the PC. As a guide, an i5 with 16 GB of memory runs about 5 to 10 AI feeds, and an i7 with 32 GB about 7 to 15. The hardware guide has the full table.

What does it cost for a one-off event?
An event pass is $195 per feed, ex GST, and covers one event of up to 5 days at one primary location. Venues that count every day go on the always-on plan.

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