SOLUTION SHEET · CUSTOM OBJECTS AI COUNTING

Count Things the Standard Models Have Never Seen

People and vehicles are built in. For anything else, such as products on a line, equipment, animals or bins, we can train a model on your own footage so CrowdSense counts it with the same lines, zones and reports.

Off-the-Shelf AI Knows People and Cars. Your Job Is Something Else.

Standard detection models recognise people and common vehicles. They do not know a pallet from a crate, a road case from a bin, or one product from another on a conveyor. Counting those by hand is slow and inconsistent.

A model trained on footage of your objects, in your conditions, can count them with the same lines, zones and reports as everything else. Because every job is different, we scope it with you first.

What a Custom Model Can Do

Your own classes

Detection and counting of the object types you need, defined with you.

Trained on your footage

The model learns from video of your objects, your cameras and your conditions.

Counted the usual way

Lines, zones, occupancy and dwell work the same as they do for people and vehicles.

Tested on your site

You test the model on your own cameras, and we refine it where it misses.

Same portal and API

Counts reach the same dashboards, reports, REST API and webhooks.

Local processing

Like every model, it runs on your PC. Video stays on site.

How a Custom Model Comes Together

01 **Talk to us**
Tell us what you need to count and where. We will say whether it is a good fit for a custom model.

02 **Share your footage**
Send video of the objects across the conditions you will see: lighting, angles, busy and quiet times.

03 **We train and test**
We label the footage and train the model, then you test it on your own cameras and we refine it.

04 **Count with it**
The model runs in CrowdSense Desktop on your PC, with the usual lines, zones and portal.

Camera set-up

- The more varied the footage, the better: different lighting, angles, times of day and object positions.
- Record from the cameras and positions you will use in production, so the model learns what it will actually see.
- Objects need to be clearly visible and not heavily stacked or hidden in the frame.
- The model runs on the same Windows PC requirements as the standard AI profiles.

Who Asks for Custom Models

Event logistics
Road cases, bins, barriers or equipment moving through a loading dock.

Manufacturing and warehousing
Products and packages on a line or through a door.

Agriculture and aquaculture
Animals counted through a gate, a race or a channel.

Councils and utilities
Specific assets or items that standard models do not recognise.

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.

Questions

How much does a custom model cost?
It depends on the objects, the footage and how the model will be checked, so we scope each one. Talk to us and we will scope it with you and quote before any work starts.

How much footage do you need?
Enough to cover the conditions you will count in. We will tell you what to record once we understand the job.

Do I need a custom model to count people or vehicles?
No. People, and bikes, cars, vans, trucks and buses, are built in. Start a free trial for those.

Does the custom model run in the cloud?
No. Like the standard models, it runs on your Windows PC. Only the counts reach the portal.

Talk to us about scoping it

experience@crowdsense.events · crowdsense.events/video-analytics/custom-object-counting