Vehicle Counting And Classification Rollout Checklist

Work through each section in order and tick an item only when its result is recorded.

SITE _____ DATE _____ COMPLETED BY _____

01 Define The Job

- [ ] Write the decisions the counts must support, one line each
- [ ] List the approaches, lanes and directions to count
- [ ] Agree the vehicle classes and how they map to any reporting scheme
- [ ] Choose the reporting interval: 5, 15 or 60 minutes

02 Camera Survey

- [ ] Record mount height, tilt, lens and distance to the counting line for each camera
- [ ] Check pixel density: 67 PPM for counting, 107 PPM for classification
- [ ] Check tilt: 15 to 35 degrees for counting, 10 to 25 degrees for classification
- [ ] Measure night light at the line: 10 lux for counting, 20 lux for classification
- [ ] Confirm 2 MP and 15 fps minimum and a free second stream on each camera
- [ ] Set the minimum shutter by hand and turn smart codecs off on the analytics stream

03 Pilot And Validation

- [ ] Agree the tolerance by class and lane before the pilot starts
- [ ] Include a peak, a night and a wet day if the climate has them

- [ ] Count the same intervals by hand and compare by class and lane
- [ ] Record every position that fails and the fix applied

04 Integration And Data

- [ ] Confirm the output format your platform reads: DATEX II, API, webhook or files
- [ ] Test a sample export end to end
- [ ] Set role-based access and audit logging
- [ ] Decide where counts are kept and for how long

05 Privacy And Governance

- [ ] Complete a data protection impact assessment where plates or people can be identified
- [ ] Set video retention and export permissions
- [ ] Limit plate reading to the lanes that need it
- [ ] Put signage and notices in place as local law requires

06 Handover And Upkeep

- [ ] Name an owner for each camera and its counting geometry
- [ ] Schedule a monthly check against a short manual count
- [ ] Recheck any camera after it is moved, relit or obstructed
- [ ] Review lane geometry after roadworks