

Stock Atlas

From image to inventory. Unit by unit.

Independent portfolio demonstration. All inputs are newly created fictional documents or synthetic imagery. No customer assets or outcomes are shown.

Problem

A useful visual count must let reviewers check for missing or duplicate objects before accepting inventory.

Working application

Local YOLO26s detects plants in an original nursery scene. Review nine visible units, add or remove boxes, correct labels and save the count with its evidence.

Local workspace

Run history ^

NURSERY / DISPATCH OPERATIONS

Every unit,
accounted for.

Count visible stock, inspect each detection and correct the inventory before exporting a dispatch-ready record.

03
REVIEWABLE AI

01 Prepare input

Dispatch scenes

Nursery dispatch

Upload your image

PNG, JPEG or WebP - up to 12 MB

Object category

Potted plants

Proposal threshold

0.25

Execution

Local model inference

Existing local weights are configured.

Count visible units

Ready for review - 3.2 seconds total.

Original synthetic samples.
No customer data or external requests.

02 Visual inventory

Local inference

nursery.png

Evidence overlay

Click a proposal to select it. Corrections are saved as a new reviewed revision.

03 Review & export

9

Visible units - model originally proposed 9.

1	potted plant	91% score
2	potted plant	90% score
3	potted plant	89% score
4	potted plant	89% score
5	potted plant	88% score
6	potted plant	87% score
7	potted plant	85% score
8	potted plant	84% score

Draw a box

Remove selected

Selected label

Click a box to select it. Draw to add a missed object.
Review every proposal.

Actual app-only capture from fresh local model inference.

Measured evidence

Check	Passed / evaluated
Correct count on the scene	1 / 1

NVIDIA GeForce RTX 4070 Laptop GPU / 8 GB

Median / p95 complete HTTP case: 11.238 / 11.238 seconds. Includes model loading, OCR and any local queue wait.

Recorded: 2026-10-08 UTC. Exact fixture-level outputs are supplied in evaluation/results.json.

Limits

One original AI-generated image with nine visible plants. The count was checked on that scene; it does not represent an entire warehouse or general accuracy. Generic COCO weights are used.

Possible pilot

A visual counting pilot with defined categories, review and export to your inventory process.

Before implementation: Categories, cameras, occlusions, capture conditions, acceptable error and integration format.

Watch the English demonstration

<https://quarkeon-website.pages.dev/en/projects/stock-atlas/>

Quarkeon Labs on Upwork