

Ledger Lens

Orders, deliveries and invoices. One connected review.

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

Problem

Differences between ordered, delivered and invoiced items can be missed when each document is reviewed separately.

Working application

Extract fields from three fictional documents using local Qwen and LightOnOCR for scans. Check quantities, prices and totals with exact decimal arithmetic, retain the originals and save reviewed corrections.



QUARKEON

LABS / LEDGER LENS

Local workspace

Run history ↗

PROCUREMENT / DOCUMENT OPERATIONS

From paperwork to proof.

Bring the order, delivery note and invoice together. Find discrepancies before they become operational surprises.

02

REVIEWABLE AI

01 Prepare input

Purchase bundles

Matched field-kit purchase

Quantity, price and total discrepancies

Scanned purchase documents

Upload purchase PDFs

1-3 PDFs · 6 pages each · 12 MiB each

Execution

Local model inference

Existing local weights are configured.

Reconcile documents

Ready for review · 55.3 seconds total.

Original synthetic samples.
No customer data or external requests.

02 Reconciliation workspace

Local inference

ORDER / PO-2026-041

DELIVERY / DN-2026-041

INVOICE / INV-2026-041

QUARKEON LABS / LOGISTICS STUDIO

FICTIONAL PORTFOLIO DOCUMENT — NO REAL TRANSACTION

PURCHASE ORDER

Document ID: PO-2026-041

Order reference: PO-2026-041

Date: 2026-10-02

Supplier: Synthetic supplier 001

Buyer: Quarkeon Labs

Currency: EUR

SKU	Description	Qty	Unit price	Line total
QK-101	Portable energy module	6	85.00	510.00
QK-102	Weather sensor	8	32.50	260.00
QK-103	Protective field case	4	18.00	72.00

Grand total: 842.00 EUR

03 Review & export

4 issues

Review discrepancies and verify the extracted fields.

INV-2026-041: declared total differs from subtotal plus VAT.

delivery: QK-102 quantity 7 differs from ordered 8.

invoice: QK-102 quantity 9 differs from ordered 8.

invoice: QK-102 unit price differs from the order.

Selected document

PO-2026-041

Calculated subtotal

842.00

Calculated total

1010.40

Extracted fields · editable

QK-101 · Portable energy module

Quantity

Unit price

6

85.00

QK-102 · Weather sensor

Quantity

Unit price

8

32.50

Actual app-only capture from fresh local model inference.

Measured evidence

Check	Passed / evaluated
Bundles: all fields correct	3 / 3
Fields matching the reference	171 / 171
Correct reconciliation outcome	3 / 3

NVIDIA GeForce RTX 4070 Laptop GPU / 8 GB

Median / p95 complete HTTP case: 158.648 / 162.037 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

Three controlled bundles: matched, discrepant and scanned. OCR and extraction require review; absent values stay absent. Financial approval is not automated.

Possible pilot

A document reconciliation pilot with visible sources, exception rules and structured exports.

Before implementation: Order, delivery and invoice formats, line identity, tax rules, acceptable discrepancies and the destination system.

Watch the English demonstration

<https://quarkeon-website.pages.dev/en/projects/ledger-lens/>

Quarkeon Labs on Upwork