PRODUCT DATASHEET · AI ENGINE

Spatial Intelligence

Guided field intake → conclusive report → hyper-local intelligence.

Location is the data. A guided multi-step intake — site parameters, photo evidence, optional lab reports — feeds a multi-model analysis that ships a conclusive report with confidence scoring; every answer is indexed to its place, building hyper-local field intelligence for communities, utilities and government. Cameras, mics and sensors stream the same signals into ledger tasks — in production today on a live water-intelligence deployment.



97
terminals live on one deployment

5 yrs
production on the original build

Air-gap
proven at defence sites

₹20L
lost in 48h — none since

WHAT IT CHANGES ON THE FLOOR

Guided field intake
Multi-step capture — location, site parameters, photo evidence, prior lab reports.

Environmental analysis
Water quality, site conditions and field telemetry diagnosed with confidence scoring.

Location-indexed ledger
Every reading pins to its place — the dataset itself becomes the asset.

Hyper-local intelligence
B2B & B2G-grade insights for communities, utilities and government programs.

Sensors → ledger tasks
Cameras, mics and field sensors stream signals into pre-defined ledger tasks.

In production since 2021 — retail, defence, education, manufacturing & hospitality

AVAILABILITY

Live in production · included on Scale, or part of AI Engine add-on

RUNS ON

Any device · offline-first · your infrastructure or ours

COMPLETE CAPABILITY SET — 11 FEATURES

- ✓ Guided multi-step field intake — site params, photo evidence & lab reports
- ✓ Multi-model environmental analysis with confidence scoring
- ✓ Camera feeds → structured events
- ✓ Electronic & electrical sensor streams
- ✓ Low-confidence signals queue for human review
- ✓ Proven on a live water-intelligence deployment
- ✓ Location-indexed records — every reading pinned to its place
- ✓ Hyper-local dataset → community, utility & government intelligence
- ✓ Voice & microphone intake
- ✓ Signals mapped to pre-defined task templates
- ✓ Edge-first — sensors stay on the local mesh

BUILT FOR

All industries

THE ECONOMICS

	RETAILDA™	PER-SEAT SAAS PATTERN
Pricing unit	Per site — staff accounts unlimited	Per user — every hire compounds the bill
Modules	Toggle on what you need, priced like apps	Per-module add-ons stacked on per-seat tiers
Connectivity	Runs fully offline — forever, if you want	No link, no sale
Data	One database per client — export anytime	Multi-tenant pool, export rituals

How Spatial Intelligence compares

Verified against current competitor pricing and feature documentation — retailda.com/compare#spatial-intelligence

ALTERNATIVE	WHERE RETAILDA™ WINS
Generic CV / IoT SaaS	Signals land on the same ledger that bills them — a camera event becomes operational data, not a silo.
Sensor dashboards	Pre-defined task templates turn raw signals into work — not another chart to watch.

DEPLOYMENT MODELS

MODEL	WHAT IT MEANS
Shared cloud	Fastest start — provisioned, patched and monitored for you. Per-site pricing, unlimited staff.
Private cloud	Your own isolated instance — one client, one database. No multi-tenant pooling.
TolsTek Host	On-premise enterprise server — ECC memory, power-loss-protected NVMe, hardware RAID. Also runs the local AI daemons.
Air-gapped	Zero external calls, permanently — proven at defence installations where isolation is mandatory.

WORKS WITH — the platform fabric

UPI & QR · EMV terminals · ESC/POS & thermal · LoRaWAN · Zigbee · MAVLink · MCP agents · ONDC (testing) · WhatsApp Business · Excel/CSV · CloudPRNT · OTAs via channel pipeline

RUNS WITH

MCP Server · AI Control Center · AI C.M.O · Enterprise RAG · Conversational Agents

Deployment & rollout

What a Spatial Intelligence deployment actually looks like — bring this page to whoever signs off.

ROLLOUT

01 **Sandbox first**
Your catalogue, opening stock and flows run in a sandbox before anything touches production.

02 **Guided migration**
Bulk import of items, barcodes, suppliers and opening stock — Excel/CSV in one pass.

03 **Pilot site**
One counter or one site goes live first — measured against your old process, not promises.

04 **Staged rollout**
Remaining sites switch over on your schedule — staged, sandbox-first cutover.

COMMERCIAL MODEL

Pricing	Live in production · included on Scale, or part of AI Engine add-on — priced per site, never per user. Staff accounts are unlimited.
Ownership	Your data, your keys, your export — leave with everything. No data lock-in.
Support	Real engineers, ticket-based. Feature unlocks are toggles, not projects.

Live in production · included on Scale, or part of AI Engine add-on

Sign up today — retailda.com/signup · no card required to start

Talk to an engineer

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