



Perceptra

AI Surveillance Operations Platform

SMARTHELIX TECHNOLOGY SOLUTIONS

Hybrid edge + cloud surveillance intelligence

FROM PASSIVE CCTV TO REAL-TIME SECURITY INTELLIGENCE

Turn existing camera estates into an intelligent security operation.

Perceptra adds AI event detection, operator workflow, evidence and platform health to existing surveillance infrastructure without requiring a wholesale CCTV replacement.

AI EVENT INTELLIGENCE

Detect intrusion, loitering, after-hours activity and vehicle movement.

SECURITY OPERATIONS

Prioritise alerts, acknowledge incidents and guide investigation workflows.

EVIDENCE

Persist snapshots, event metadata, review state and traceable evidence records.

ANPR DEMO

Demonstrate plate reads, confidence, history and watchlist-oriented workflows.

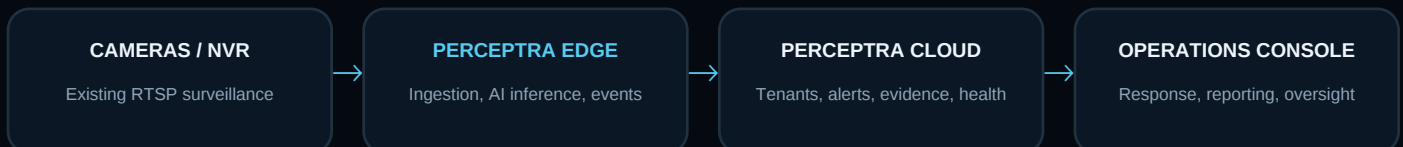
PLATFORM HEALTH

Expose camera, worker, alert-service and pipeline health in one operator view.

MULTI-SITE

Support tenant-aware operations across estates, enterprise and distributed sites.

Hybrid deployment architecture



Why the architecture matters

- Video and AI processing can remain close to the camera network.
- Cloud services provide multi-site visibility, tenancy, alerts and evidence metadata.
- Public demonstrations use synthetic data and are isolated from customer operations.
- Production access is separated from the public product experience.

Commercial deployment path

PUBLIC EXPERIENCE

Synthetic data

Product exploration without operational exposure

PRIVATE LIVE DEMO

Controlled environment

Real pipeline demonstrations for qualified prospects

PRODUCTION OPERATIONS

Customer tenants

Authenticated edge-to-cloud surveillance operations

EXPLORE PERCEPTRA

perceptra.smarthelix.co.za

Interactive synthetic demo • Request a controlled live demonstration • info@smarthelix.co.za

Hybrid edge + cloud ready