

**COGNISIGHT**

AI Video, Sensor & Intelligence Analytics

See what matters, the moment it happens.

Cognisight applies AI-enabled analytics to video, sensor and intelligence data so teams can **detect activity, identify patterns and surface the events that need operator attention**. It moves teams beyond passive monitoring and retrospective review, towards focused, intelligence-led operations.

Observant

Contextual

Actionable

Edge · On-Prem · Hybrid

UK-Sovereign

Deploy standalone, or enrich **Consilium** and other command environments with prioritised events and insight.

www.ESPANARO.com

WHAT IS COGNISIGHT

Intelligence-led awareness from the data you already have

Cognisight analyses video, sensor and intelligence data to detect activity, identify patterns and surface events that require operator attention. It can operate as a standalone analytics capability or feed enriched events into Consilium and other command environments.

THREE PRINCIPLES

- **Observant**

Continuously analyse video and connected data for activity of interest, so nothing routine slips past unnoticed.

- **Contextual**

Combine detections with time, location, source and operational information so each event carries meaning.

- **Actionable**

Present prioritised events and evidence that operators can assess quickly and act on with confidence.

THE CHALLENGE & THE OUTCOME

THE CHALLENGE

Security and operational teams are surrounded by video feeds, sensor outputs and intelligence data, yet much of it still depends on continuous human monitoring.

Important activity can be **missed, detected late or buried among routine events**, while operators spend significant time reviewing footage and assembling context manually.

OPERATIONAL VALUE

Cognisight delivers:

- Reduced monitoring burden
- Earlier activity detection
- Faster video review
- Context-rich alerts
- Improved operator awareness

THE SHIFT

Cognisight moves teams from **passive monitoring and retrospective review** towards **focused, intelligence-led operations**, deployed standalone or feeding enriched events into Consilium and other command environments.

WHAT COGNISIGHT DOES

From raw feeds to focused, evidence-led operations

Cognisight sits between your data sources and your operators, filtering continuous feeds down to the activity that genuinely needs attention.

- + Ingests live or recorded video alongside relevant sensor and intelligence data.
- + Filters routine activity so operators can focus on events that matter.
- + Applies configurable analytics to detect objects, movement, behaviours and operational events.
- + Supports alerting, investigation and evidence-led operational workflows.
- + Creates searchable event metadata to accelerate review and investigation.
- + Provides visual and data evidence for operator validation and audit.
- + Correlates detections with time, location, source and other available context.
- + Publishes outputs to dashboards, APIs, workflows and command systems.

CORE CAPABILITIES

Four building blocks that turn continuous data into operator-ready insight

01

Video & Data Ingestion

Connect live or recorded video, sensor outputs and relevant intelligence sources.

02

AI-Enabled Detection

Identify configured objects, activity, movement patterns and events of interest.

03

Context & Event Enrichment

Add time, location, source and related operational information to each detection.

04

Search, Alerting & Workflow

Surface relevant events, support rapid review and route outputs into operator processes.

INGEST

Video, sensor and intelligence data

**DETECT**

Objects, movement and events

**ENRICH**

Time, location and context

**ACT**

Alerts, search and workflow

DESIGNED FOR OPERATIONAL ENVIRONMENTS

Works with the cameras, sensors and systems you already run

Cognisight applies configurable AI-enabled analytics to identify activity of interest, enrich events with context and present usable outputs to operators, dashboards and command platforms such as Consilium.

INTEGRATION AREA	SUPPORTED APPROACH
Video & surveillance systems	Camera and video-management integration using interfaces including ONVIF and RTSP where applicable.
Sensor & operational data	Structured events, alerts and metadata from connected physical and digital systems.
Application interfaces	APIs and structured data formats including JSON and XML.
Message & event distribution	Event-driven and message-based integration patterns including MQTT and DDS.
Command & workflow systems	Outputs can be consumed by Consilium or integrated into third-party operational tooling.

DEPLOYMENT OPTIONS

Deploy where the mission needs it

EDGE / SITE**At the source**

For analytics close to cameras, sensors and operational systems.

ON-PREMISES**In your network**

For controlled networks, secure facilities and locally hosted operations.

HYBRID**Best of both**

For distributed environments spanning local processing and central services.

BUILT FOR CONTROLLED ENVIRONMENTS

Assurance considerations

• Data residency

Processing can be kept on your own infrastructure, supporting local control of sensitive data.

• Configurable access

Deployment aligns to your network boundaries, security model and operational governance.

• UK-sovereign

Engineered in the UK with direct access to the product and delivery team.

REPRESENTATIVE USE CASES

Where Cognisight makes the difference

Perimeter & Site Security

Detect movement, loitering, boundary activity and other configured events requiring attention.

Operational Surveillance

Focus operators on relevant activity across multiple live video and sensor feeds.

Rapid Video Review

Search event metadata and locate relevant footage without reviewing entire recordings.

Asset & Infrastructure Monitoring

Identify unusual activity around critical equipment, locations and restricted areas.

Incident Investigation

Bring together detections, supporting imagery and contextual data to accelerate assessment.

Trials & Evaluation

Assess analytics, camera coverage and operational concepts within controlled pilot environments.

WHY COGNISIGHT

Operator-first analytics, built in the UK

- ✓ Reduces dependence on continuous manual monitoring.
- ✓ Surfaces relevant activity earlier and with supporting context.
- ✓ Accelerates review of recorded footage and incident investigation.
- ✓ Works with the existing camera, sensor and operational-system estate.
- ✓ Supports configurable analytics aligned to specific operational needs.
- ✓ Keeps operators in control of assessment and response decisions.
- ✓ Can operate independently or as part of the wider Espanaro product stack.
- ✓ UK-sovereign engineering with direct access to the product and delivery team.



Start with the mission problem, **not the technology trend.**

Cognisight is built around operator decisions and operational outcomes, so analytics serve the mission, not the other way round.

TECHNICAL SUMMARY

At a glance

Product type	AI-enabled video, sensor and intelligence analytics software.
Primary function	Detect, enrich and surface operationally relevant activity.
Architecture	Modular, integration-led and configurable for different environments.
Deployment	Edge, on-premises or hybrid.
Interfaces	Video streams, APIs, structured data, event streams and configurable adapters.
Users	Operators, analysts, security teams, investigators and technical integrators.
Lifecycle	Suitable for discovery, rapid trials, pilot deployments and operational implementation.

HOW TO ENGAGE

A straightforward path from first conversation to operations

STEP 01**Discovery**

Understand the operational problem, environment and existing camera and sensor estate.

STEP 02**Workshop**

Shape analytics, integration and deployment options around your mission and constraints.

STEP 03**Pilot**

Evaluate Cognisight in a controlled deployment ahead of wider operational rollout.

Turn video, sensor and intelligence data into actionable operational insight.

Speak to Espanaro about a Cognisight discovery, analytics workshop or pilot deployment.

[Book a discovery session](#)

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