



ARNOWA for AI Video Analytics

Vision Intelligence for Safer,
Smarter, More Efficient Spaces

What is AI Video Analytics?

Arnova's AI Video Analytics Platform leverages advanced computer vision, machine learning, and data analytics to transform live video streams into real-time, edge-based intelligence. It enhances safety, compliance, and operational efficiency—even in remote or low-bandwidth environments—without the need to stream video to the cloud.

The platform seamlessly integrates with multiple sensors, enabling cross-functional analytics for better analysis and deeper insights. Visualised on a digital twin, it delivers powerful situational awareness across buildings, campuses, industrial sites, and urban infrastructure.

Core Capabilities



Real-Time Monitoring & Detection

- Object tracking, intrusion detection, and anomaly detection and alerting
- Vehicle and people counting, license plate recognition
- Fire, smoke, and spill detection



AI-Powered Intelligence

- Crowd density and behavioral analytics
- Smart tagging, classification, and event correlation
- Prediction of failures and anomalies
- Animal monitoring, condition tracking, and movement analysis
- Faster, data driven emergency decision-making



Insightful Dashboards & Reporting

- View event logs and live analytics through Arnova's centralised dashboard
- Visual heatmaps and occupancy trends
- Generate compliance reports with image proof
- Digital twinning for engagement and immersive experience

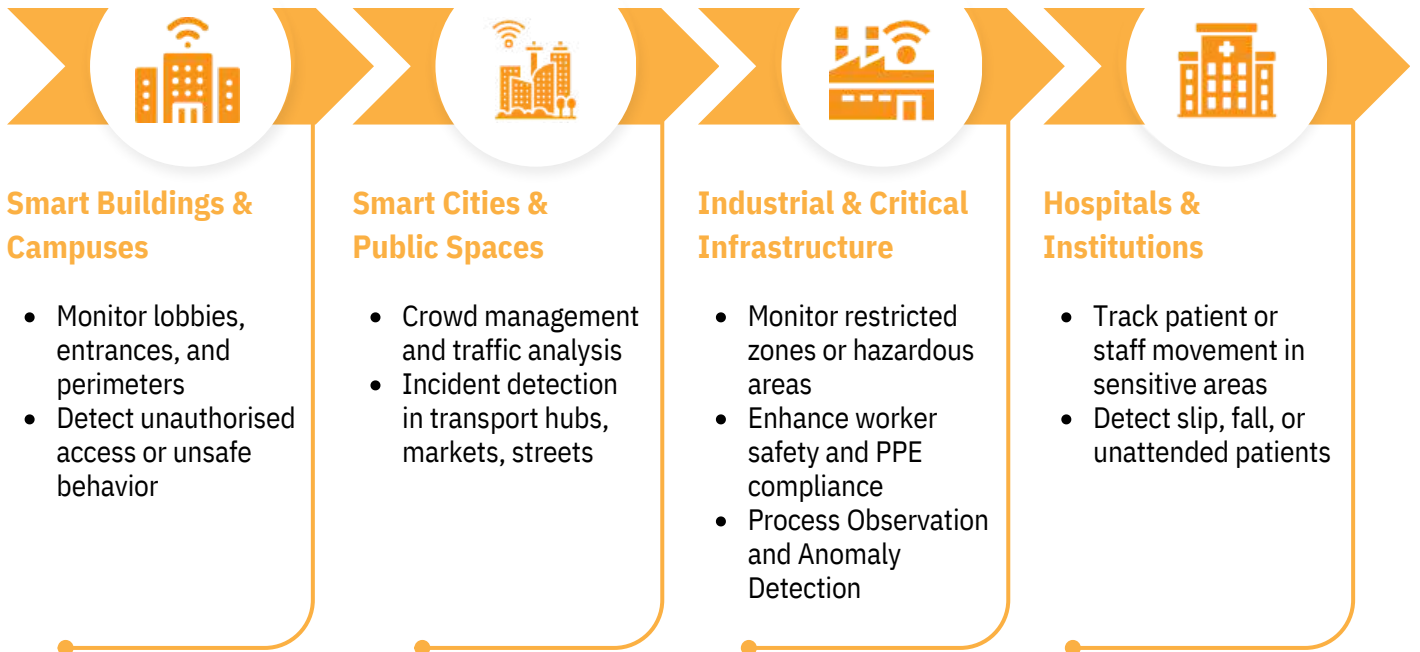


Automated Action Triggers

- Smart alerts integrated into security and operations workflows
- Automated operations, e.g. change operating parameters, responsive switch on lights, alarms, doors, or HVAC systems
- Integrate with BMS, DCS, Scada, access control, and emergency protocols and multiple other existing systems



A Few Use Cases



Benefits of Arnowa's AI Video Analytics

- Enhanced safety and threat detection
- Reduce reliance on manual surveillance
- Real-time alerting with visual context
- Integrates with Arnowa's IoT, environmental and energy management platform
- Scalable across sites and geographies, accessible globally through cloud.

Technology Integration

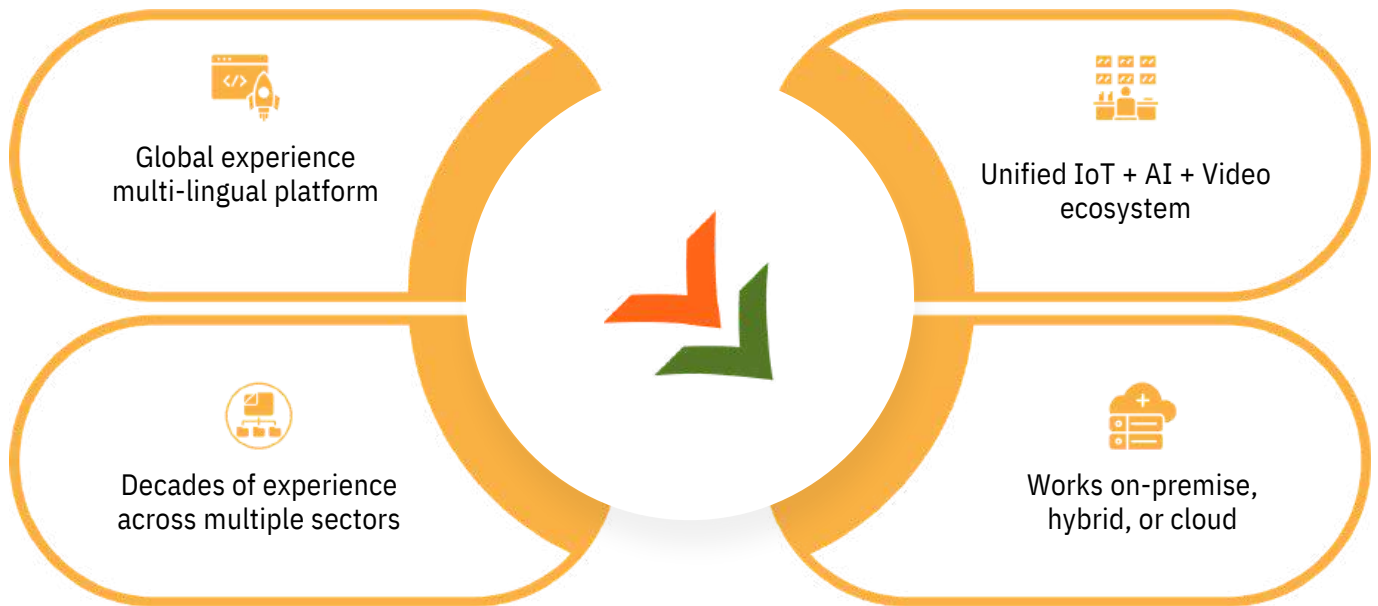
Video Cameras & Sensors

- Edge Processing / Cloud Engine
- Arnowa Unified Video, IoT and Data Dashboard
- Alarms, Reports, API Integrations
- GenAI, Agentic AI and Predictive AI enabled

Supports IP, analog (via encoder), and 3rd-party VMS platforms.



Why Arnowa?



Let Your Infrastructure See, Think, and Act

✉ info@arnowa.com
🌐 www.arnowa.com

📍 **Australia**
1/24 Poletti
RdCockburn, Central WA
6164 Australia
Ph: +61 8 64677144

📍 **USA**
884 Sea Island Ln
Foster City, California
Ph: +1 415 658 9958

📍 **UK**
42 Cranbourne Gardens
London, NW11 0HP
United Kingdom
Ph: +447520636067

📍 **UAE**
A2 IFZA Business Park
Silicon Oasis, Dubai
Ph: +971 56 333 1416

📍 **New Zealand**
60A Olsen Avenue
Hillsborough, Auckland
Ph: +64 27 4444 7859

📍 **India**
179/36,12th B-Main Road
75th E-Cross 6th Block
Rajaji Nagar Bangalore
Ph: +91 93504 00005

📍 **Indonesia**
Rukan Permata Senayan
Blok A-29 Jl. Tentara
Pelajar Kebayoran Lama
Jakarta Selatan
Ph : +62 21 5794 0651

📍 **Malaysia**
W-10-6, Subang Square
Jalan SS15/4G, SS15
47500 Subang Jaya
Selangor Darul Ehsan
Malaysia

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PREFERRED SUPPLIER



Enable proactive, AI-powered surveillance with Arnowa's video intelligence solutions.