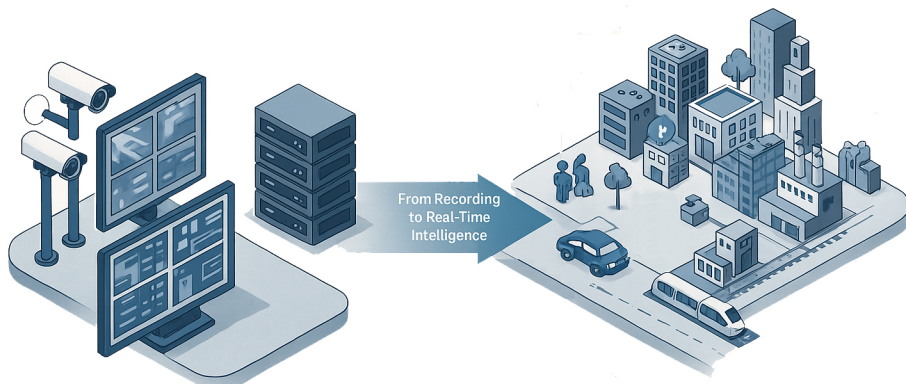


- ARNAVISION is an advanced Intelligent Video Management and Analytics System (iVMS) that goes far beyond traditional surveillance
- By leveraging advanced AI technologies such as machine vision and data analytics, the system converts raw video streams into actionable and measurable intelligence
- Classification of Solutions
 - 1) Scalable Video Management & Analytics
 - 2) Smart AI Detection Agents

Benefits

- Enhanced Situational Awareness**
Provides real-time visibility and contextual understanding across all monitored sites, enabling faster and more precise responses
- Improved Security**
Detects, analyzes, and responds to potential threats proactively through AI-powered video analytics
- 24Hour Security Nexus**
Ensures uninterrupted surveillance and instant alerting via an always-on, centralized monitoring platform
- Optimized Operational Efficiency**
Automates visual monitoring processes, minimizes false alarms, and improves resource utilization across storage and bandwidth
- Improved Safety and Compliance**
Enhances workplace safety and operational continuity through intelligent risk analysis and AI-driven compliance monitoring
- Data-Driven Decision Intelligence**
Converts raw video data into actionable insights that inform strategic and tactical decision-making



Scalable Video Management and Analytics

Smart AI Detection Agents

CAPABILITIES

Scalable Video Management and Analytics

- Scalable Camera Management
Handle, +5,000 cameras with centralized control
- Multi-Stream Recording & Playback
High-resolution storage, synchronized playback, forensic replays
- Smart Scheduling & Storage Optimization
Adaptive recording policies, bandwidth-efficient compression, compliance-ready archiving
- Text-Based & Metadata Search
Instantly retrieve events using keywords, objects or tags
- Unified User Dashboard & Access Control
Role-based permissions, multi-operator command center views
- Cloud & On-Premise Flexibility
Hybrid deployment options for ultimate scalability and security

Smart AI Detection Agents

- Object & Person Detection
Identify individuals, groups or objects in real time
- Vehicle & License Plate Recognition
Automate traffic control, parking and access management
- PPE & Safety Compliance
Detect missing helmets, vests or masks instantly
- Intrusion & Perimeter Monitoring
Geofencing, loitering and restricted zone alerts
- Behavior & Sentiment Analytics
Spot aggression, suspicious activity and unusual crowd behavior
- Abandoned Object Detection
Track left baggage, unattended packages or risky items
- Fire & Smoke Detection
Early AI-based alerts for safety-critical environments
- Predictive Anomaly Detection
Trend analysis and forecasting to prevent incidents

↓
This foundation ensures your video data is never just stored, it is organized, retrievable, secure, and ready for intelligence

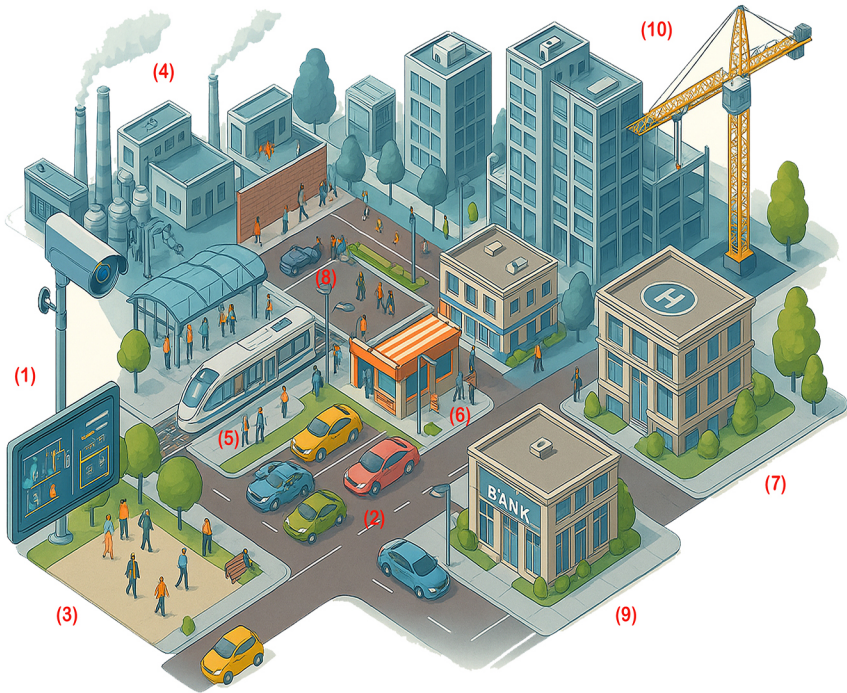
↓
With these agents, every camera becomes AI-powered sentinel, delivering 7/24 a proactive intelligence instead of passive video



ARNAVISION iVMS

Safety , Security and Surveillance Nexus

APPLICATIONS



(1) Scalable Video Management Analytics System

- Scalable smart VMS: Capable of handling over five thousand streams
- Descriptive Search: Smart Metadata (footage and stream) retrieval
- Forensic Search: Smart Time-Based Search, Smart Location-Based Search
- Smart Event Correlation and Attribute-Based Search
- GDPR Compliance
- Cross-Platform Compatibility
- Advanced Detection Agents
- Nuisance alarm management
- Robust role-based access control -RBAC and More



(2) Traffic management

- Automated License Plate Recognition (ALPR) and non-standard/dilapidated plate detection
- Traffic flow management
- Monitoring traffic rule, parking, red light violations, speeding and vehicle restrictions
- Safety compliance monitoring for helmet, seat belt usage and phone use while driving
- Crash detection, response and zone-specific surveillance for incident management
- Real-time vehicle tracking, classification, and counting
- Wrong Direction Detection and for traffic analysis and More



(3) Urban , Public Spaces and Municipal Management

- Efficient garbage management
- Vandalism control
- Environmental protection by detecting polluting vehicles
- Traffic and parking in no-parking zones
- Facial recognition , Fighting, Civil safety
- Theft and pickpocketing detection and tracking
- Suspicious object detection
- Checkpoint Vehical & Person Detection, Identification and Reidentification and More



(4) Manufacturing and Factory Safety, Security and Surveillance

- Automated defect detection
- PPE kit detection
- Inner and outer facility perimeter safeguarding and surveillance
- Hazard detection
- Workplace violence detection
- Incident detection
- Theft and unauthorized access detection
- Behavior and situational safety
- Crowded detection
- Ergonomics monitoring
- Pose detection
- Vehicle-Machine control and More



(5) Transportation Management-RTF

- Smart rail analytics with a twist of digital twin
- On-Demand cabin surveillance and passenger safety
- On-Demand train station onboarding and facility safety and surveillance
- On-Demand railway and station digital twin
- Incident prediction
- Incident detection and violation monitoring
- Crowd monitoring
- Congestion detection
- Vehicle Tracking
- Toll and ticketing monitoring and analytics and More



(6) Mall and Retail Surveillance and Monitoring

- Customer and visitor traffic forecast
- Inner and outer mall perimeter safeguarding and surveillance
- Queue management and optimization -facial recognition, people count, behavior tracking , sentiment analysis, tracking and etc
- Detect and prevent refund fraud at the register
- Optimize store layouts with customer movement insights
- Geofence for protecting off-limits areas with smart alerts
- Left object detections
- Inventory and shelving management
- Parking lot capacity and management
- Watchlist and VIP detection and More



(7) Residential and Commercial Apartment and Hotels

- Smart fire and smoke detection
- Watchlist and VIP detection
- Loitering and intrusion detection
- HSE for employee and worker safety and security
- Advanced facial recognition for tenant and guest safety and security
- Smart access control
- Parking lot capacity and VIP management
- Site and property security
- Abandoned Bags and objects detections
- Queue and Restricted area optimization
- Perimeter security and surveillance
- Advanced Search of events
- Checkin-Checkout security and surveillance and More



(8) Parking Management and Optimization

- Occupancy monitoring
- Parking traffic management
- Automatic Number Plate Recognition-ANPR for Automated Access Control
- Intrusion, theft and unauthorized detection and response
- loitering and dwell time detection
- Vehical classification
- Parking frequency and time analysis
- Smart event and incident search
- Perimeter safeguarding and More



(9) Bank Safety, Security and Surveillance

- Physical Security & Threat Detection
- ATM & Self-Service Protection
- Fraud & Insider Threat Analytics
- Customer Experience Optimization
- Compliance & Regulatory Readiness
- Vault & High-Value Asset Security
- Remote & Centralized Monitoring
- Sensitive Zones Security Integration



(10) Construction and Building Sites

- Worker personal protective equipment- PPE kit detection
- Smart fire and smoke detection
- Intrusion, theft and unauthorized access detection
- Material classification detection
- Waste management and illegal dumping detection
- Danger zone entry detection
- Near miss detection
- Workforce heat maps
- Barricade boundary and open edge detection
- Fight and violence detection



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