



Smart Video Surveillance & Analytics System

The Zotera Video Surveillance & Analytics System provides high definition video streaming and edge analytics for a wide range of applications that include security and surveillance, object detection, analysis and identification, pattern recognition, facial recognition, ge-fencing, and IIoT machine vision and integration with industrial automation devices.

The Zotera Video Surveillance & Analytics System uses professional surveillance cameras that provide high quality HD images for demanding security and surveillance network requirements, as well as IP Based Access Control, and Analytics.

- Integrated 4/5G secure router
- Support for PoE Network Cameras
- Rapid Deployment
- Multiple Configurations
- Intelligent video analytics
- On-board Storage



Zotera Nomad: Portable IP Video Platform

IP Video Surveillance Anywhere!

Solar Deployment



Smart security solutions in any outdoor environment without being tied to the electrical grid.

Video surveillance and remote monitoring are important tools for today's communities, whether a 'Smart City', or a public works department trying to make operations more efficient. However, traditional video security systems are expensive and complex to deploy and manage. Utilizing the best wireless radio, digital camera, and solar technologies, Zotera has developed a cost-effective solution for remote Ruggedized IP video security and surveillance.

Applications:

- Military Video Surveillance
- Pipeline Monitoring
- Water Treatments Plants
- Electric Utilities
- Homeland Security
- Public Safety
- Crime Prevention
- Depots and warehouses
- Medicine cabinets
- Traffic Monitoring
- Illegal Dumping
- Flood Monitoring
- Event security
- Remote Surveillance
- Mining
- Monitoring Construction Sites
- Critical production areas
- Remote storage facilities

Intrusion Detection Using Intelligent Video Analytics



- Perimeter Protection
- Sterile Zones
- Small, controlled environments, e.g. indoor
- Medium, & Large Outdoor Areas
- Façade protection
- ... and wherever and whenever no one is supposed to be within an area during a certain time



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- Smart Camera integration with built-in video analytics reinforces Intelligence at-the-Edge
- Reliably detects, tracks, and analyzes objects, sending alerts when predefined alarms are triggered.
- Captures more details in the highlights and in the shadows even in the same scene.
- Works in extreme conditions
- Catches what a human eye might miss

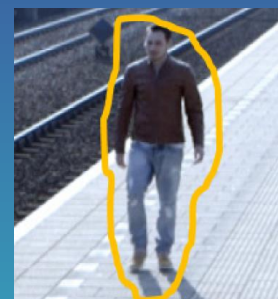


Real-Time Video Analytics Synchronized with Moving Objects

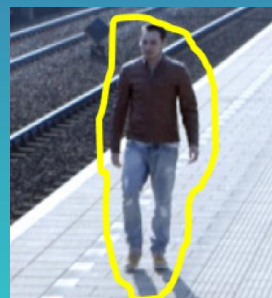


Objects that generate an alarm event appear inside a red outline.

An object that triggers one alarm but does not generate another appear inside an orange outline.



Objects that are detected as moving but do not generate an alarm event appear inside a yellow outline.



- Intelligent streaming reduces bandwidth and storage requirements.
- Area-based encoding reduces bandwidth.
- The innovative multi-streaming feature delivers various H.264 or H.265 streams together with an M-JPEG stream.
- Two-way audio allows the operator to communicate with visitors or intruders.
- Alarms signaling for camera tampering.
- Cloud-based services

Zotera offers a real-time remote surveillance monitoring service that uses only the latest video camera surveillance technology to monitor customer facilities allowing customers to focus on their business.

Cloud Service



Monitoring Service

