CATHEXIS

Beyond Surveillance

MINING
Powerful Surveillance Solutions for the Mining Sector

The Cathexis Video Management Solution and Software Suite provides an extensive range of sophisticated surveillance options, tools and functionality to satisfy all security and infrastructure management requirements.

With successful installations in some of the world's largest coal, diamond, copper and platinum mines, Cathexis has built a solid reputation as a leading surveillance solutions provider for the mining sector.

Exceptional integration capability, real-time monitoring, and the ability to operate reliably in some of the world's most hostile environments, have made Cathexis a leading global provider of mining surveillance solutions.

Features

- Multi-Tier System Management
- I.P and Analogue CCTV Hybrid Solutions
- Megapixel Camera support
- Smart Video Analytics
- Unlimited Scaleability
- Access Control Integration
- Remote and Multiple Site Management Capability
- Centralised Alarm Management
- Sophisticated Health Monitoring

Meeting Mining Requirements

- Power with Flexibility
- Full Functionality in Hostile Environments
- Integration Capability
- Real-Time Health-Monitoring and Optimal Uptime

Mining Solutions that go beyond Surveillance

With seamless flexibility and scaleability, Cathexis provides the most ideal product solution combined with all the necessary expertise and experience for the most specific industry requirements. Cathexis solutions go beyond surveillance to offer a sophisticated management tool that enables operators and managers to function in a multi-tiered control environment.

Multi-tiered Event Management

Based on the understanding that any one site may have multiple CCTV cameras installed, Cathexis offers a "black-screen" approach to video and event management through the alarm management gateway. This system receives events, which are matched with actions. It allows for the escalation of events to second and third tiers of management. The system can also manage several sites form a central command centre.

Video Analytics

Cathexis offers a range of video analytics to improve the effectiveness of the system, including:

- Smart Video Motion Detection
- Abandoned Object Analysis
- Post Object Search
- Object Tracking
- Loitering
- Speed and Direction
- Object Counting

The system also integrates with several specialised analytics devices. The analytics software provides triggers to the system which enables it to take user defined actions depending on the specific trigger received, including:

- Notify a control room gateway
- Move PTZ camera to preset position
- Send an alarm to a selected recipient
- Send an SMS or email
- Switch selected cameras to selected monitors
- Switch a device on or off

Integration

One of the major differentiating features of Cathexis, is the capability to integrate various third-party systems. Integration is enhanced by predetermined actions upon information received from various systems and the association of specific actions for events. Third-party systems include:

- Access Control
- Fire Panels
- Alarm Panels
- X-Ray Systems
- Plant Management Systems

Interactive Graphical Interface

The interactive user interface provides a visual representation of a site or multiple sites. Operators can navigate through multiple layers of maps to selected sites, drag-and-drop cameras to selected monitors, control outputs, and move PTZ cameras. Users can also navigate multiple sites throughout the enterprise with the map facility.

Health Monitoring

The Cathexis solution provides continuous monitoring of all the components, including hardware and software integrity, and provides automated warnings of any possible impending failure. This allows maintenance engineers to perform corrective maintenance before the system fails.

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CathexisVision
IP Video Management Solutions

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