



e-Surveillance

AI-Based Centralized Monitoring and Management System

Rax-Tech International provides advanced E-Surveillance and Central Monitoring solutions powered by AI analytics, IoT hardware, and cloud-based dashboards, delivering enhanced security, compliance, and real-time operational visibility. With over two decades of expertise, we design customized ecosystems for banks, logistics hubs, retail networks, warehouses, and applications in electronic security, active redundancy, and energy management and control.

Problem Statement

- Many organizations struggle with fragmented surveillance systems that lack secure connectivity and centralized control.
- Conventional monitoring setups rely on manual observation, leading to delayed detection of security breaches and equipment faults.
- Remote sites often face challenges in maintaining reliable network communication and data security.
- Absence of AI-based analytics results in missed predictive insights and inefficient alarm management.
- Power or network failures disrupt monitoring continuity, increasing downtime and security risks.
- There is a pressing need for an integrated, intelligent, and secure monitoring system that combines VPN connectivity, smart alarm management, and AI-driven analytics to ensure 24/7 visibility and reliability.

Solution

- The proposed solution integrates VPN-enabled routers, AI-based analytics, and intelligent alarm panels into a unified E-Surveillance and Central Monitoring ecosystem.
- VPN routers ensure secure, encrypted data transmission from remote sites to the central monitoring center.
- AI-driven analytics enable real-time event detection, anomaly recognition, and predictive alerts, enhancing decision-making and response time.
- Smart alarm panels provide local alerts and system redundancy to ensure continuous operation even during network interruptions.
- The system offers centralized control, remote visibility, and automated energy management, resulting in improved security, reliability, and operational efficiency.

Products



Alarm Automation Panels



Industrial Routers



Two Way 4G LTE



Edge Video Analytics



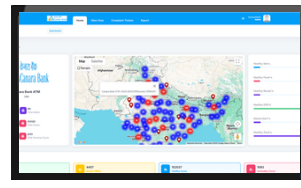
Access OTP Keypad



Power Control and Management Unit (PCMU)



Energy Monitoring



CMMS Software

Architechure

