

## Reliable Railway Station Security

### **Synopsis**

Railways station and Passenger train security is an important issue for any country government. Considering busiest places, it becomes a necessity to supplement the man security with some of the modern security mechanisms while at the same time taking the benefits of latest technology to implement these mechanisms.

In recent years, public transit security concerns have increased significantly. The threat of terrorist activity has always been present, but it is a larger issue today than ever before. In train and railway stations, video surveillance systems can help to prevent such acts.

Additionally, security cameras can deter crime and vandalism within stations, and provide passengers with an added sense of security.

This document discusses the “[Video Surveillance Security IP Camera Solution](#)” which can be deployed on Railway Stations and trains to make the security more robust and reliable.

### **Video Surveillance Security IP Camera Solution for Railway Platforms**

Surveillance IP camera solution is built on latest embedded technology which can be monitored and controlled remotely over the internet using any normal personal computer or laptop. These cameras can be deployed on strategic points, giving an overview of platforms, people getting in and out of the compartments aches and those on the concourse. A single camera can give several views of the platform by rotating or moving in different directions.

In addition, this solution can be deployed across the platforms, the lobby area at the entrance, the parking lots, all entry and exit points, restaurants, ticket counters and other places which are usually crowded. A centralized control room screen connected to these cameras through a **wireless network or local area network** can be commissioned to view the activities on the platform. The activities can also be monitored by any authorized individual whose personal computer is on internet.

### **Video Surveillance Security IP Camera Solution for Trains**

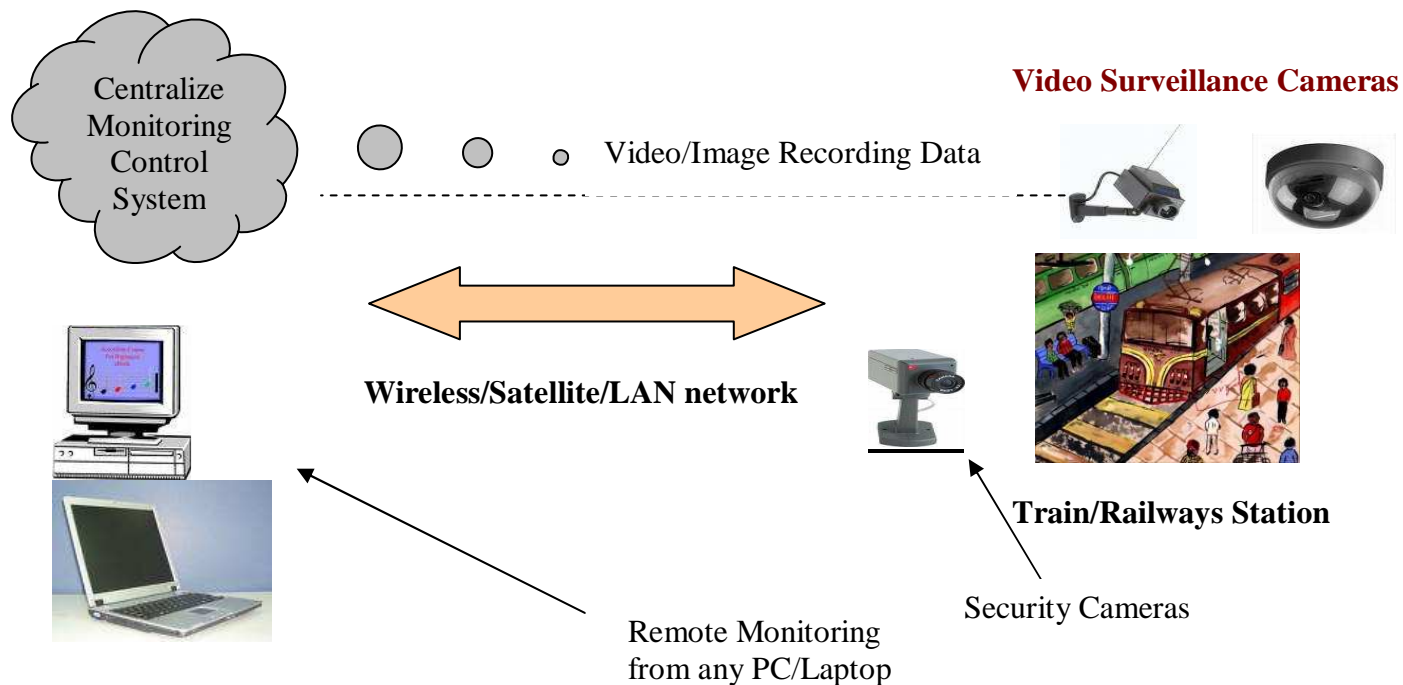
Surveillance IP camera solution can also be deployed on moving passenger train connected through wireless/satellite network which can be monitored remotely. This architecture is applicable to only IP network camera and traditional CCTV camera cannot be monitored remotely on moving trains.

Today each city and village is connected by mobile network and thus can easily be connected to wireless network or connecting to internet is also possible through Satellite. It will be the most sophisticated way to avoid and restrict any terrorist/bad activities on train and will give a complete security satisfaction to all the passengers riding on the train.

## Benefits of Security Cameras in Train and Railway Stations:

- **Combat terrorism** – Public modes of transportation are considered high-risk targets for terrorism. Surveillance cameras positioned in train and railway stations assist in the fight against such activity, and work to spot terrorist plots before they happen.
- **Crime investigation** – Video surveillance footage can prove extremely useful in investigating incidents where a crime or terrorist act is carried out. By analyzing recorded footage, security officials can identify suspects and examine what steps need to be taken to prevent future acts from occurring.
- **Protect riders** – It's important for riders to have confidence that the train system is safe. Many railway users are daily commuters. For them, riding the rails should be as worry-free as brushing one's teeth. Security cameras are a key part of a larger effort to provide users with a system that is safe and closely monitored for their protection.
- **Prevent graffiti** – There's something about railway stations that brings graffiti artists out in force. For some, tunnel walls and train cars provide the ultimate canvas. When surveillance cameras spot such activity, officers can be quickly deployed to break things up before a full-blown mural comes to fruition. Cleaning up graffiti is an expensive task, and video surveillance helps in reducing the frequency of such activity.
- **Monitor unsafe areas** – We've all heard the term, “Mind the Gap.” Many railway and train stations have sections that could prove dangerous, such as platform gaps, and any public area where there train passes by. With security cameras installed specifically to monitor such areas, accidents and injuries can be avoided.
- **Smart camera functionality** – Intelligent IP cameras often feature built-in video analytics such as behavioral and facial recognition. Installed in a railway or train station, such cameras can help to identify potential threats and spot suspicious activity such as objects left unattended.
- **Digital storage** – With a digital surveillance system, footage is stored digitally rather than on bulky analog cassettes. This allows for advanced search features that help in scouring archived material for images of specific incidents.
- **Remote access** – IP surveillance systems allows for remote monitoring from any computer with network access and an internet connection.

## Typical Architecture of an IP camera for Railways



### How we can help

We are partnered with IP camera design & manufacturer companies who are designing a low cost high end Video Surveillance Camera Solution. We can help in determining the exact requirements and define the detailed design for this solution which can be implemented on several train & railway platforms.