

## Nanded Police succeed in Safe City project with smart video solution from Axis.

Crowds and historic landmarks kept safe with solution enabling remote monitoring, supporting manual intelligence and improving operational efficiency.



**Organization:**  
Nanded Waghala City  
Municipal Corporation  
(NWCMC)

**Location:** India

**Industry segment:**  
City surveillance

**Application:**  
Disaster prevention,  
remote monitoring

**Axis partner:**  
Samarth Security Systems  
(India) Pvt. Ltd.

### Mission

Nanded houses the second largest Gurudwara house of worship in India and attracts hundreds of pilgrims and tourists every day. The growing security concerns were recognized early by the Nanded Waghala City Municipal Corporation (NWCMC) & Nanded Police who were looking for an intelligent video surveillance solution for the city to address the following concerns: early warnings for preventing disasters, efficient monitoring for better governance, better traffic management and crime prevention and control. NWCMC appointed MIPL, a leading security consultancy organization from India, to assist in designing and supervising the project implementation.

### Solution

The project's first phase was focused on monitoring all critical areas of the city, including major entry and exit points, busy junctions and tourists' attraction spots. The idea was to convert the city surveillance project into a safe city project to help the local authorities improve the overall operational efficiency and reduce manual intervention.

A total of 104 high resolution, night vision, fixed and PTZ Axis cameras were installed at all strategic locations spread across the city.

### Result

The Axis surveillance solution deployed across the city of Nanded has helped the law enforcement authorities to assist the on-field police in crime tracking, directly from The Superintendent of Police headquarters' and has enabled better governance and civic administration. The solution helps to monitor strategic places such as the Sachkhand Gurudwara, traffic signals, busy streets and other places of religious importance which are potential criminal/terrorist targets. The entire schema designed by MIPL ensured that the Axis cameras were used to route the connectivity for the PA systems as well as panic switches – leading to huge savings in cost.

**“The Nanded Safe City project is one of the benchmark projects in urban security in India. It is a great example of discrete governance agencies collaborating effectively for common good. The technology used, including the video surveillance cameras is of very good quality. Nanded is proud to be one of the first cities in India to deploy a true safe city project.”**

**Sushil Khodwekar, IAS, Commissioner, Nanded Waghala City Municipal Corporation.**

### Smart monitoring

Religious tourists visit Nanded several times in a year, reinforcing the need for building a consolidated security establishment. Lately, the district was witnessing a sudden rise in criminal activities, especially with incidents like chain snatching, theft etc. Manually managing and controlling traffic on all arterial roads, religious processions and ad-hoc calls for halla-bol campaigns, have also posed serious challenges to local policemen and concerned authorities, in the past.

### The solution included

- > Implementation of a fully integrated C4i software (from Nice, Israel) in the C-Cube (Command, Control & Communication) center, located at the Nanded Police headquarters, to monitor the entire city on 24x7 basis
- > Public Address Systems
- > Panic switches at CCTV covered chowks for emergency/distress intimations to the control room
- > GPS based Vehicle Tracking System (VTS) on emergency vehicles including police vans, ambulances and fire tenders
- > Ability to integrate with Flood level sensors, Dial 100, Police Beat System and e-Challans

The installed cameras included AXIS P1354 as well as AXIS Q6035-E Network Cameras. AXIS P1354 is a fixed day and night camera with superb image and excellent video quality, and AXIS Q6035-E is a robust outdoor camera with HDTV 1080p, 20x optical zoom and high-speed pan/tilt performance for coverage of wide areas and great detail when zooming in. Connected to a central video management system through the optical fiber network, each camera is equipped with intelligent video analytics to provide rule-based alerts to the control room.

The Nanded Safe City project uses high resolution night vision fixed and PTZ cameras to constantly monitor the traffic flow. Further, these cameras are connected to a central video management system located at the Nanded Police headquarters, where the operators monitor the system round-the-clock, zoom-in and closely observe suspicious objects and people real time, and, trigger alarms to local authorities whenever required.

### Deterrence of crime

The solution has not only had an impact in helping the local authorities solve traffic cases, but also helped to combat and resolve cases of violence in the city. On a real time basis, control room has identified cases of chain and purse snatching and provided leads to the on-field police. There was a case of pranksters and miscreants on bikes being detained during the festival of Holi.

### Better governance

The cameras have become a dependable partner in Nanded's safe city surveillance project. Axis cameras deployed across the city help keep the crowds and city's historic landmarks safe. Traffic and parking patterns have improved with the control room's ability to make announcements through central PA (Panic Alarm) system, heavy vehicle's movement across the city can be watched to assess fines on illegal transport/transporters and even the police on street are more vigilant since they too know that their movements and actions are watched.

Overall, Nanded Waghala City Municipal Corporation (NWCMC) and Nanded Police have not only succeeded in securing the residents, but, also, in improving the city's civic situation and administration.



“The implementation has added immense value to the work of Police, both, in investigation and in traffic monitoring. The cameras are not only reliable, but also provide high-definition image quality making the surveillance easier. We're already proposing to expand the system.” – Paramjit Singh Dahiya, IPS, Superintendent of Police, Nanded.

