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Case Study:

NuvoScan E Deployment At Ram Janmabhoomi, Ayodhya

Introduction

Ram Janmabhoomi, situated in Ayodhya, Uttar Pradesh, holds immense cultural and religious significance in India. Following the momentous inauguration of the Temple on January 22, 2024, the site has opened its doors to the public, anticipating a heavy influx of devotees and tourists. It has been a focal point of historical and religious place in India for decades. It underscores the necessity for stringent security measures. An increase in visitor numbers highlighted the need for advanced security technologies to efficiently screen vehicles entering the premises, safeguarding against potential threats while facilitating smooth traffic flow. There was a pressing need for a system anticipated by authorities that enhanced security while simplifying visitor management.

Problem Statement

Anticipation of security needs was paramount even before the inauguration of the Ayodhya temple. The surge in visitor footfall was expected to present unprecedented security challenges, including unauthorized access, potential terrorist activities, and other security threats. Traditional security measures often need to be revised to address these risks, especially given the sheer number of visitors and vehicles entering the premises daily.

Additionally, the limitations of conventional security systems in handling increased traffic and adverse weather conditions were recognized, which would have left the site vulnerable to security breaches. Manual vehicle inspections are time-consuming, prone to errors, and can cause congestion at entry points, disrupting the visitor experience. Therefore, there was an urgent need for an efficient, automated security solution capable of effectively screening vehicles while minimizing delays and ensuring smooth traffic flow.

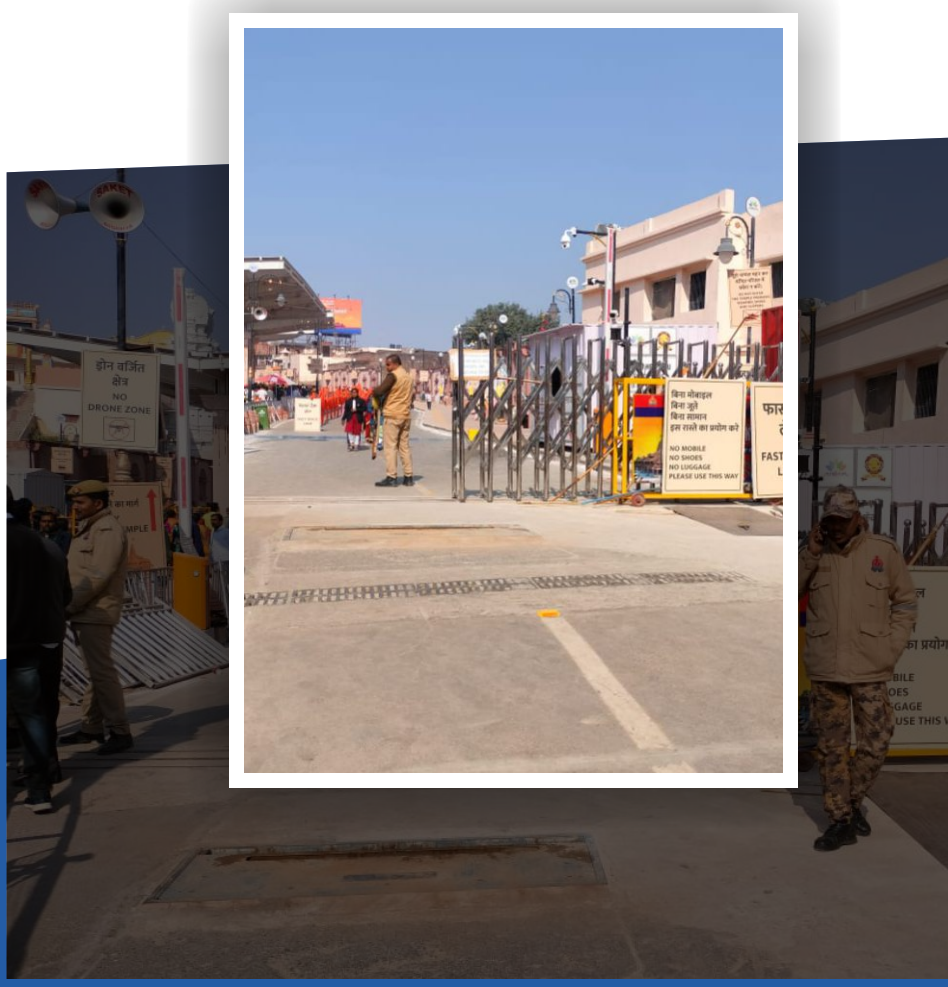

Fig.1 NuvoScan E | Ram Janmabhoomi at Ayodhya, Uttar Pradesh, India

Solution: NuvoScan (E) [Under Vehicle Scanning System]

Features

- Vehicle entry database & reporting features
- Air cleaner mechanism for all weather operation
- LED array for better illumination
- Security password protection
- All weather-proof IP-67-certified underground enclosures
- CE, ISO-certified system
- Area Scan image composing technology for complete imaging of underside, even if the vehicle halts completely on top of the UVSS
- High-resolution composite COLOR image
- Graphical User Interface (GUI)
- Integrated Automated License Plate Reader
- Integrated Driver Image Capture

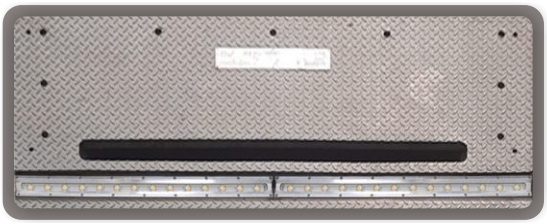

Fig.2 NuvoScan E

Vehant's Team proposed the deployment of NuvoScan E, an advanced Under Vehicle Scanning System (UVSS), at Ram Janmabhoomi, Ayodhya, to effectively address security threats and ensure the safety of the premises. We focused on installing NuvoScan E, strategically designed to provide comprehensive vehicle screening while minimizing disruption to traffic flow.

The NuvoScan E is constructed with structural steel and checkered stainless steel on top, ensuring durability and reliability in all weather conditions. It is securely fixed under the ground, providing a stable platform for efficient scanning operations. NuvoScan E is equipped with advanced automated COLOR UVSS technology, utilizing the latest area scan imaging technology combined with high-end electro-mechanical assemblies, cameras, illuminators, and sensors, along with AI algorithms.

The system synthesizes visual information to create high-quality composite underside images of vehicles, effectively detecting potentially harmful objects. The UVSS and ANPR systems scan, inspect, recognize, and digitally record the vehicles' underside, interior, and license plates. This capability enables operators to effectively detect any vehicle underside where bombs, weapons, and biochemical hazardous goods may be hidden. By providing real-time, accurate scanning and inspection capabilities on the monitor, NuvoScan E enhances security measures at Ram Janmabhoomi, Ayodhya, ensuring the safety of visitors and preserving the integrity of the site.