Samastipur, a city in Bihar, India, encompasses 2,905 square kilometers and is situated at the banks of the Budhi Gandak River. It serves as the headquarters of the Samastipur district, which is one of 38 districts of Bihar in India, with a population of more than 4.2 million people. Samastipur is a busy city bustling with cars and activity, requiring robust surveillance for the police and traffic departments to ensure comprehensive safety.

For many years, the city relied on outdoor traditional, fixed, narrow field-of-view (FOV) cameras to cover major highways and intersections and provide a bird’s eye view of the flow of traffic, as well as video data for investigative purposes. "We wanted wide-angle cameras that can capture the entire four-lane highway," said Harpreet Kaur, Senior Superintendent of Police, Samastipur Police. "With narrow FOV cameras, we had to use multiple cameras to fully cover the area, which couldn’t reproduce video evidence of incidents as we needed it."

Samastipur worked with integrator DAAAM Security System Pvt Ltd to update its surveillance camera solutions, and the team recommended the Oncam Evolution 180 Outdoor camera. The integrator partner installed four Evolution 180 Outdoor cameras in various strategic locations to capture two major traffic junctions and two major highways that bypass the city. The cameras are part of a wider system of cameras provided by some of Oncam’s strategic alliance partners that work seamlessly together to integrate critical video data and transmit information back to Samastipur Police.

The Evolution 180 Outdoor camera encompasses the innovative 6MP Panoramic+ image, equipped with Oncam’s Angle Compensation Technology, which provide adaptive dewarping of a 180-degree image. The true day/night functionality allows images to be produced in all lighting conditions, serving the transportation and Safe City focus areas in Samastipur. Both the camera and lens are also optimized to give customers more pixels on target than any other panoramic camera, ultimately enhancing security for Samastipur Police by increasing the ability to locate potential threats or vulnerabilities.

One of the most unique characteristics of the Evolution 180 Outdoor is the design of the...
Providing an oversight of the city

With 180-degree cameras from Oncam, traffic monitoring has become easier and post-event analysis is possible. — Harpreet Kaur, Senior Superintendent of Police, Samastipur Police

The cameras that oversee the major throughways in Samastipur are monitored by the police department, where they use the footage for crime prevention and tracking. "The video helps us to effectively provide oversight of the city around the clock, ensuring the safety and security of people using these roadways," said Ranjan. "With 180-degree cameras from Oncam, traffic monitoring has become easier and post-event analysis is possible."

Operators are also more efficient with the new surveillance cameras, as there are fewer feeds to watch on a regular basis. "This allows us to increase our operator’s effectiveness in monitoring," Ranjan said.

As the city of Samastipur continues to grow and congestion becomes an even bigger issue, it’s important that the police department looks for innovative technology that is reliable and scalable. Oncam’s 180-degree camera range allows operators to clearly see a situation at all times, providing the relevant information to investigate an incident, ultimately bringing the safety and security of residents to the forefront.

The Oncam technology also excels at providing low-light performance at a high megapixel, giving the police department a clearer picture even in the middle of the night. "The Evolution 180 is a true day/night camera, providing full situational awareness of a scene 24 hours a day," Jha said.

©Copyright 2018 ONVU Technologies AG. All rights reserved. Oncam is a trading name of ONVU Technologies AG. Subject to change without notice.

www.oncamgrandeye.com