CASE STUDY

AllGoVision
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SUCCESSFUL SURVEILLANCE SOLUTION IMPLEMENTED FOR STREET SAFETY AND TRAFFIC MANAGEMENT IN HONG KONG
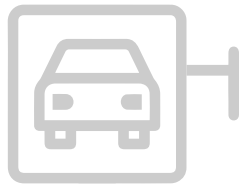
PROJECT DESCRIPTION

END USER: **ARMADA INTERNATIONAL LTD.**
LOCATION: **HONG KONG**
VERTICAL MARKET: **SMART CITY**
CAMERAS: **50**

FEATURES: **ANPR, ILLEGAL PARKING, RED-LIGHT VIOLATION, PEOPLE COUNTING, CROWD MANAGEMENT, PEDESTRIAN CROSSING**

REQUIREMENT

In view of providing a safe environment for residents and reducing accidents on the roads, the City Planning Department was on the lookout for a robust traffic management solution that optimized and managed traffic flow and pedestrian movements effectively. Real-time alerts on incidents that raised security threats was priority. The need was to develop a highly competent Video Surveillance system that addressed manifold issues like Illegal parking, Red-light violation, People Counting, Crowd counting and keeping a vigil on Pedestrian movements. Surveillance, keeping count of pedestrians, calculating the waiting time, determining the number of pedestrians violating the traffic signals and keeping count of differently-abled pedestrians – all these called for highly accurate and customized solutions.

ALLGOVISION SOLUTION

AllGoVision's advanced Video Analytics is feature-rich, highly customizable and scalable as per the contextual requirement. The surveillance installed on the roadways was equipped with an arsenal of features to optimize the traffic flow and bring down the number of accidents to a considerable extend.

ILLEGAL PARKING DETECTION

Endowed with the capability of identifying and classifying objects based on person/vehicle, this feature was used in combination with other aspects like dwell-time detection and ANPR for quick identification and non-delayed alerts on vehicles parked illegally.

RED-LIGHT VIOLATION DETECTION

A cardinal feature contributing to traffic safety, the surveillance system was equipped to identify and alert of vehicles that jumped red signals.

PEOPLE COUNTING

This feature enabled the authorities keep
a tab on the footfalls on a marked area
in a field of interest for a particular time slot.

CROWD DETECTION

Overcrowding of pedestrians at undesired locations
tagged along unmanageable security concerns.
To prevent such crowd formations, this feature
helped the authorities set a limit and keep a check
on the crowd. Instant alarms were generated if
the formation exceeded the set limit.

PEDESTRIAN CROSSING

Another key feature was to check pedestrian movements as they crossed the road. This feature addressed issues signal violation, prevented pedestrian-vehicle encounters, identified zebra crossing violations and so on. The solution captured details such as waiting time of each pedestrian for crossing a junction, counting pedestrians waiting to cross, pedestrians not following traffic signals while crossing, wheelchair-bound pedestrians, visually-impaired using canes and so on.

ACHIEVING THE DESIRED OUTCOME

While AllGoVision's advanced Video Analytics solution was implemented to cope with protection gaps in the city and visitors' control, as a comprehensive platform it additionally offered the department well-incorporated capabilities transcending the realms of simple information visualization. AllGoVision's ANPR & Traffic control; Traffic control characteristics helped growth protection by way of deriving granular intelligence (like crowd and visitors' demographics) which assisted the administrative authorities make quick and accurate decisions with the aid of gaining whole insight into citywide activities.

ABOUT ALLGOVISION

AllGoVision's Video Analytics solutions have been deployed in surveillance applications ever since 2009.
Headquartered in Bangalore with branches in the US and Dubai, AllGoVision is a leading video analytics solution provider with successful installations worldwide. It has dedicated itself into in-depth research and product innovation.
AllGoVision video analytics software is equipped with 40 plus basic and advanced Video Analytics features.
An open platform integrated withmany VMS manufacturers. AllGoVision focuses on providing to its customers – robust performance, cost efficiency, ease of use and customization.