

Cities

Target tracking in smart cities

Video surveillance: one of the biggest stakes for public authorities.

One of the greatest challenges for public authorities is to increase reactivity to improve safety.

For 10 years, the number of surveillance cameras on the global market increased from 8% to 12%.

In France, the government decided to triple the number of cameras. Surveillance operator centers are challenged to manage this significant growth. Indeed, studies show that operators can focus up to 2 hours on screens. The identification a target can be subjective (based on social attributes) and not necessarily on an abnormal situation.

To face these biases and improve safety, video data analysis is becoming necessary for local authorities. However due to the volume and complexity of data, the analysis cannot rely on the cloud.



Target tracking in smart cities

Improve city safety.

Take advantage of your IoT data for massive and complex video data analysis

BullSequana Edge offers significant benefits to improve video surveillance.

The analysis of all this video data on BullSequana Edge AI algorithms allows real time, local and cost-efficient analysis. You can track a target based on its attributes, find his path and his real-time location.

BullSequana Edge thus meets your business constraints:

- **Ensure constant analysis**
BullSequana Edge ensure an efficient continuous service, including in underground and buildings with low connectivity.

- **Use of data analysis results in real time and locally**

Real-time decision unable to react immediately to insure every abnormal situation is identified and under control.

- **Maintain the sovereignty of all your data**

Intrusion detection and data encryption systems protect your data from external threats however BullSequana Edge is placed (indoor or outdoor).

- **Reduce operational costs**

Data storage and analysis cost in the cloud is significant for high volume and complex data especially for videos, as it produces complex and huge data volumes. Thanks to local and autonomous storage and analysis, BullSequana Edge allows lower costs. Data is sent to the cloud for mid/long term storage and monitoring.

Deploy BullSequana Edge in any type of indoor or outdoor environment

To make the best local decisions, you need to have local information on the environment. Hence, BullSequana Edge is optimized to operate in complex smart city environments (dust, extreme temperatures, unstable grounds, all weather conditions etc.), which makes it possible to analyze massive data where your IoT is. Our product can be safely placed outside.

To ensure physical protection, cooling, early fire detection and power distribution, we offer specific displays in racks.



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