



Official buildings

Safety & security



EVITECH's Jaguar® video analytics solution ensures safe monitoring of major buildings inside the city of Paris.

Issue : Official buildings (Ministries, Police headquarters, city museums...) directly on the street need a specific protection from the top of the building to the base of every external wall. Sometimes protected by laser scanning, most of the buildings do not fit for laser scanning which requires a planarity of walls (e. g. no balconies, no entrance pavilion), which is difficult to obtain, and thus multiplies the number of laser scanners to be used and increases security costs. In case of building cleaning and repair, this protection is much more critical since intruders could use the scaffolding to climbing directly through the upper building windows.

Solution : Video surveillance cameras deployed from the roof of the building (or the roof of the tubular constructions during works) can detect even when the wall facade is not regular and straight. Each camera has a wide FOV (30 to 45°, depending on the height of the building), to monitor and detect people walking on the ground. Regularly disposed on the top of the walls, they cover every angle of the building. Because of the height of their position, they can observe every corner of the building. The city lighting, as well as the building lighting, make the use of classical video surveillance cameras sufficient for the application. Due to the exceptional sensitivity of Jaguar, cameras can be used at very long ranges: Jaguar was qualified for 135 meters detection of a ramping individual under 10 lux from a 30° FOV good quality video-surveillance colour camera (continuing detection up to 60 meters if lighting is attacked and decreases to 2 lux, a situation which should not occur unless a major electricity failure happens in the city). Such distances make it possible to fulfil a 1 kilometre perimeter monitoring with 10 to 15 cameras.

Tests : tests are done by the security officers who simulate intruders coming from the streets around the building.

Remarks : An official agreement can be required for video cameras deployment, as well as storage of traffic in the public streets as well as in the neighbourhood of the site.

About Evitech : Created in 2005 in France from a military R&D project, the company has rapidly developed with an average 200% CA progression rate. From a turnover of 500 K€ in 2008, the company targets a turnover of 1 M€ for 2009. EVITECH's software products address the fields of smart video surveillance for global security.

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