Target auto-tracking embedded in Jaguar !

In addition to existing dome control functions which were available with Jaguar V2.2 (patrol, zoom at target in alarm, and tracking of target from fixed camera detection), EVITECH is proud to propose with the Jaguar V2.3 version, an option to trigger and monitor automatically a dome (or a PT-Z camera) for auto-tracking a target.

In particular, **this function enables Jaguar to track a target outside the area covered by fixed cameras** (e. g. **inside a site** after having entered the perimeter).

As shown on the pictures above (from left to right),
- the dome (1) detects a moving target entering the area (the dome is then on a fixed position),
- then (2) begins a tracking of the target with a continuous detection (notice the dome movement, shown particularly by looking at the bottom left corner)
- and (3) tracks the target even over complex background objects (cars).

In this example, the rectangular tracking zone (in red) and the target outlines (in red and then in ivory) are highlighted to illustrate tracking performance. Multiple tests handled with this function, show a performance level of more than 95% for tracking human targets and cars under 40 km/h speed crossing the detection area. Domes used for this development were analog Pelco Spectra through Pelco-D over RS485, and AXIS IP dome. Martime cameras drives (Exavision and Moog) have also been integrated on maritime surveillance applications in Croatia and Peru. The function requires a dome that (1) can provide a quick PTZ position return (accurate and in less than 100 ms), as well as (2) be driven in absolute PTZ and speed mode. EVITECH will extend the function to other domes fulfilling these requirements.

EVITECH will integrate other cameras and domes providing these characteristics.

About Jaguar : *The Jaguar Video Analytics solution is derived from a military project, held in 2005, and enables detection of <u>very small targets</u> with very low false alarms rates. It protects today very sensitive sites like nuclear plants, oil & gas, official buildings, industrial sites, solar plants, or VIP private estates. See also :* www.evitech.com
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