



axxon next

New analytics tools driven by IP data in Axxon Next 4.0

Presenting version 4.0 of the Axxon Next VMS! We are starting a series of publications on the new version of the product, explaining the technologies that make Axxon Next an integrated enterprise-class security platform for the needs of large, geographically complex sites. Version 4.0 of the Axxon Next VMS is offering incredible benefits and tools that will improve existing functionality as well as a whole new level of capability.



Axxon Next 4.0

New analytic tools: Tag & Track Pro and Light

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Tag&Track Pro – stay on top of shifting conditions with many moving objects

The new version of Axxon Next allows tracking multiple moving objects simultaneously with the help of Tag&Track Pro.

Tag&Track Pro allows simultaneously getting the «big picture» of everything happening at a protected site while obtaining detailed imagery of the objects moving around it, by locking onto them and continuing to track them across multiple cameras. Both sets of images can be recorded for later use, which is important for event investigation.

The feature requires at least two cameras: one is a panoramic camera, the second one a PTZ camera. The panoramic camera is configured with a tracker, which detects objects moving in the frame and calculates their coordinates. Several panoramic cameras can be linked with a single PTZ unit.

The object's coordinates in the field of view are mathematically converted into the pan/tilt/zoom values necessary for the PTZ camera to track the object. This continues until the object leaves the

field of view or the user selects another object. **Tag&Track Pro offers three modes:** In manual mode, the user selects an object in the field of view of the panoramic camera by clicking the mouse. In automatic mode, the PTZ camera switches between objects in the frame without human intervention, tracking each of them for a pre-configured length of time. The third mode, automatic with user priority, works similarly to automatic mode until the user clicks an object with the mouse, which activates manual mode. Automatic mode is re-enabled when the object is de-selected or the object leaves the field of view.

Tag&Track Light – predict object trajectories and easily monitor in real time

Tag&Track Light makes surveillance easier by predicting the camera in front of which an object will appear after it leaves the field of view of another camera. For this feature to work, all cameras are linked to a site map: the position of the cameras and their fields of view are specified on the map. The operator selects a moving object to track. If the object leaves the field of view of one camera, Axxon Next calculates its trajectory and determines the camera in front of which the object will appear next. The «potential destination» camera is highlighted in the current layout.

