



ACTIVITY DETECTION

IN TERMS OF SECURITY, THE PERIMETER PROTECTION HAS BECOME A STANDARD PRODUCT AVAILABLE IN MOST OF THE CCTV INSTALLATIONS.

ActivityDetection is able to do a lot more than simple motion detection found in CCTV products. **ActivityDetection** will generate alarms when objects of a selected class triggers predefined rules. Constraints on object size and behaviour can be used to detect specific scenarios. The learning and adaptative algorithms of ActivityDetection are robust to outdoor challenging conditions.



FEATURES

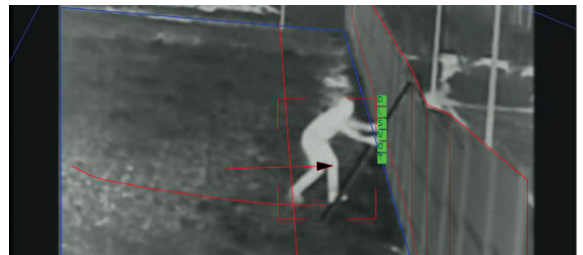
- Automatic real-time activity detection
- 3D object size and motion filtering
- Multiple detection regions
- Multiple virtual crossing lines
- Multiple targets per camera
- Up to eight detection rules
- Indoor and outdoor operation
- Optimised processing platform requirements
- Server-based or edge-based (for AXIS, Dahua and Hikvision compatible cameras)

COMPETITIVE ADVANTAGES

- References in many sensitive projects
- Can operate on existing CCTV cameras, PTZ cameras, IP cameras
- Very robust to changing outdoor conditions, very low false alarm rate
- Specific behavior detection based on motion classification
- Very simple and user-friendly configuration
- Sub products **ZoneDetection** and **StillnessDetection**
- Direct and flexible support

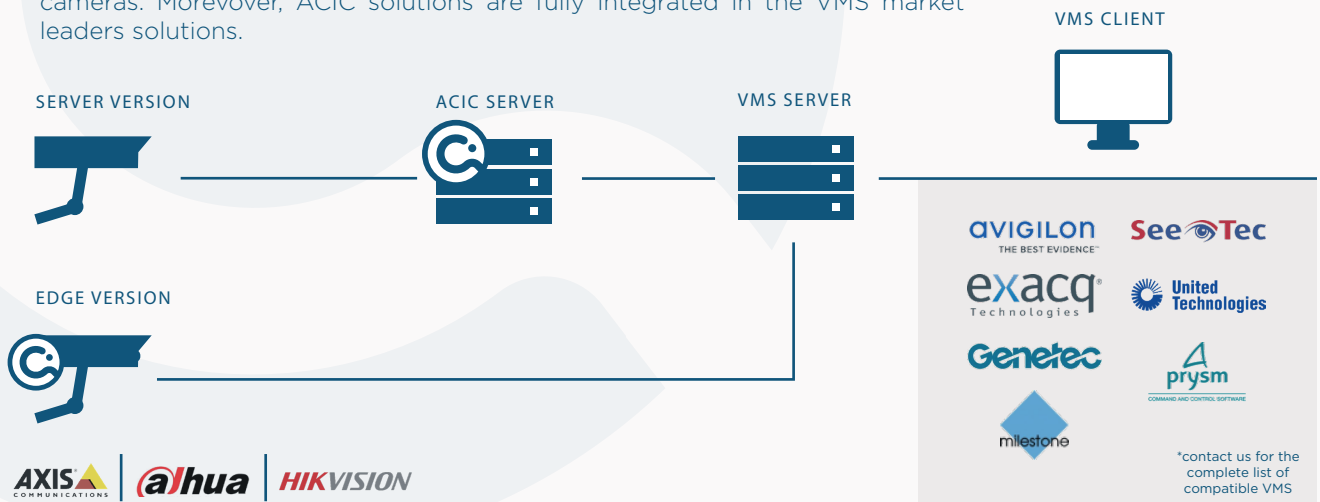
APPLICATIONS

- Outdoor restricted area surveillance
- Indoor advanced intrusion detection
- People on railway detection
- Climb over fence detection
- Autonomous perimeter protection of a site
- Abandoned baggage detection
- Removed objects detection



ACTIVITY DETECTION - INTEGRATION SOLUTION

ACIC is a technology partner of the main actors in video surveillance markets. Thanks to its participation into the partnership programs, **ActivityDetection** is available in EDGE version for AXIS Communications, DAHUA, and HIKVISION cameras. Moreover, ACIC solutions are fully integrated in the VMS market leaders solutions.



ACTIVITY DETECTION - PRODUCT PACKAGES

ActivityDetection Configuration Tool allows you to create up to 8 detection rules per video stream based on 5 different analytics scenarios. To better meet the detection needs and scenarios, **ActivityDetection** is proposed in 2 dedicated packages :

PREMIUM	<p>FEATURES:</p> <p>8 rules, 4 customizable object classes and 5 different scenarios</p> <ul style="list-style-type: none"> • Line crossing • Multiple lines crossing • Sterile zone • Stationary object • Motion detection 	<p>INCLUDED OPTIONS:</p> <ul style="list-style-type: none"> • DNN / AI : confirmation of the events by an AI model on various types of classes • PTZ : adaptable on PTZ cameras (analytics on preset) • Anomaly detection base : detection of basic camera anomaly (camera occlusion, loss of signal). 	<p>SERVER VERSION</p> <p>For all cameras native linux virtual machine (vmware, hyperv) GPU recommended</p> <p>EDGE VERSION</p> <p>For dahua, axis & hikvision supported cameras</p>
	<p>PART NUMBER SERVER</p> <ul style="list-style-type: none"> • AD-SERVER-BASE 	<p>EDGE</p> <ul style="list-style-type: none"> • AD-EDGE-BASE-AXIS • AD-EDGE-BASE-HIK • AD-EDGE-BASE-DAH 	
DYNAMIC	<p>FEATURES [BASE]:</p> <p>2 base rules, 4 customizable object classes and 5 different scenarios</p> <ul style="list-style-type: none"> • Line crossing • Multiple lines crossing • Sterile zone • Stationary object • Motion detection <p>PART NUMBER</p> <ul style="list-style-type: none"> • DYN-AD-SERVER-BASE 	<p>ASSOCIATED OPTIONS:</p> <p>DYN-AD-SERVER-OPT-RUL DYN-AD-SERVER-OPT-AI DYN-AD-SERVER-OPT-PTZ DYN-AD-SERVER-OPT-ANOM DYN-AD-SERVER-OPT-STAB DYN-AD-SERVER-OPT-FAIL</p> <p>Associated products: HDW-SERVER-OD</p>	<p>Additional rules Option (max 8) DNN/AI objects classes Option PTZ adaptation Option Full Anomaly Detection Option Camera Stabilization Option Failover Option</p> <p>Appliance Server on demand</p>

SOME REFERENCES

