



VIDEO ANALYTICS & AI

PRODUCT PORTFOLIO

Portfolio 2020



Our MARKETS



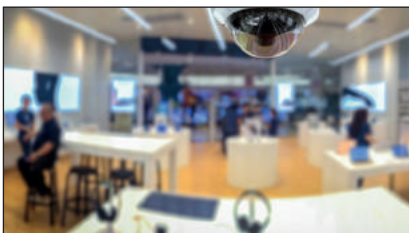
GOVERNMENT
Military
Police
Border Control

SMARTCITIES
Road Monitoring
Parking Management
Security Supervision



TRANSPORTATION
Airports
Railways - Roads
Maritime Ports

INDUSTRY
Nuclear
Petrochemical
Oil & Gas
Health



RETAIL
Malls / Shops
Data Analytics

Our PRODUCTS

SECURITY Solutions

 **ACTIVITY DETECTION**

 **STILLNESS Detection**

 **ZONE Detection**

 **PANORAMA DETECTION**

 **AUTO TRACKING**

DATA MINING Solutions

 **CROWD NUMBERING**

 **PEOPLE COUNTING**

 **LPR DETECTION**

 **TRAFFIC MONITORING**



Our VALUE PROPOSITION

Since 2003, ACIC develops proven VCA solutions implemented into cameras (edge version) as well as on server appliances (server version). Our solutions are dedicated to:

- security application: perimeter protection, city surveillance, transports security (airports, railways, maritime), border control, ...
- datamining application: site's visitors' analysis & monitoring, traffic management, station platform occupation monitoring ...

Our various solution packages allow you to define rules in order to meet the expectations of your customers

PREMIUM Solutions

Premium solutions mean «proposed as a whole package» without any option.

Using these premium solutions, you directly have a product including all features.

According to types of solutions (security/data mining), you can combine these features to create your own scenario.

PREMIUM

ALL IN ONE SOLUTION

DYNAMIC Solutions

Dynamic solutions mean «proposed as basic package» allowing you to upgrade the solution with features.

Using Dynamic solutions, you can ease and improve your VCA deployments by adding features (through activation of optional packages) according to detection needs.

DYNAMIC

ADAPTATIVE & CUSTOMIZED SOLUTION

Technological Partners



* non-exhaustive list

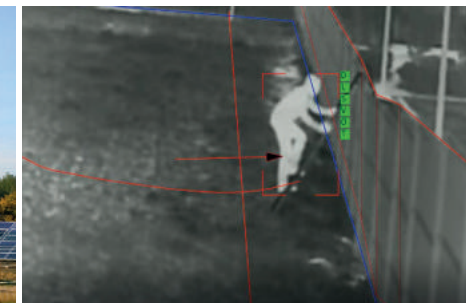


ACTIVITY DETECTION

ACTIVITY DETECTION IS A VIDEO ANALYSIS APPLICATION PERFORMING ACCURATE DETECTION OF INTRUSION & SUSPICIOUS BEHAVIOUR.

Acic ActivityDetection® produces an alarm when an object crosses a virtual line or is present for a period in a secure area. Smart algorithms adapt to environmental conditions to limit false alarms due to parasitic movements or changes in illumination.

PREMIUM	PART NUMBER
	SERVER • AD-SERVER-BASE EDGE • AD-EDGE-BASE-AXIS • AD-EDGE-BASE-HIK • AD-EDGE-BASE-DAH



PREMIUM	FEATURES: 8 rules, 4 customizable object classes and 5 different scenarios <ul style="list-style-type: none"> • Line crossing • Multiple lines crossing • Sterile zone • Stationary object • Motion detection 	INCLUDED OPTIONS: <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). 	SERVER VERSION FOR ALL CAMERAS NATIVE LINUX VIRTUAL MACHINE (VMWARE, HYPERV) GPU RECOMMENDED EDGE VERSION FOR DAHUA, AXIS & HIKVISION SUPPORTED CAMERAS
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DYNAMIC	FEATURES [BASE]: 2 base rules, 4 customizable object classes and 5 different scenarios possible <ul style="list-style-type: none"> • Line crossing • Multiple lines crossing • Sterile zone • Stationary object • Motion detection PART NUMBER • DYN-AD-SERVER-BASE	ASSOCIATED OPTIONS: 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 Associated products: HDW-SERVER-OD	Additional rules Option (max 8) DNN/AI objects classes Option PTZ adaptation Option Full Anomaly Detection Option Camera Stabilization Option Failover Option Appliance Server on demand	
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REMARKS :

Dynamic Packages only available on server / Max 8 rules in total / Max 4 customizable object
ALSO AVAILABLE ON EDGE VERSION - ON DEMAND



STILLNESS DETECTION

STILLNESS DETECTION IS A VIDEO ANALYSIS APPLICATION PERFORMING ACCURATE DETECTION OF ABANDONED OBJECT IN A PREDEFINED AREA.

Acic StillnessDetection® produces an alarm when an object is abandoned for a period in a secure area. Smart algorithms adapt to environmental conditions to limit false alarms due to parasitic movements or changes in illumination.

PREMIUM

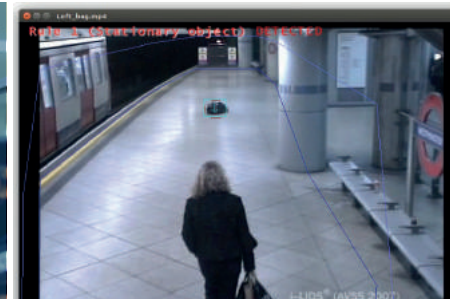
PART NUMBER

SERVER

- SD-SERVER-BASE

EDGE

- SD-EDGE-BASE-AXIS
- SD-EDGE-BASE-HIK
- SD-EDGE-BASE-DAH



PREMIUM

FEATURES:

4 rules, 4 customizable object classes and 2 different scenarios

- Stationary object
- Motion detection

INCLUDED OPTIONS:

- 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).

SERVER VERSION

FOR ALL CAMERAS
NATIVE LINUX
VIRTUAL MACHINE (VMWARE, HYPERV)
GPU RECOMMENDED

EDGE VERSION

FOR DAHUA, AXIS & HIKVISION SUPPORTED CAMERAS

DYNAMIC

FEATURES [BASE]:

1 base rule, 2 customizable objects classes and 2 different scenarios

- Stationary object
- Motion detection

PART NUMBER

- DYN-SD-SERVER-BASE

ASSOCIATED OPTIONS:

DYN-SD-SERVER-OPT-RUL
DYN-SD-SERVER-OPT-AI
DYN-SD-SERVER-OPT-PTZ
DYN-SD-SERVER-OPT-ANOM
DYN-SD-SERVER-OPT-STAB
DYN-SD-SERVER-OPT-FAIL

Associated products:

HDW-SERVER-OD

Additional rules Option (Max 8)
DNN/AI objects classes Option
PTZ adaptation Option
Full Anomaly Detection Option
Camera Stabilization Option
Failover Option

Appliance Server on demand



REMARKS :

Dynamic Packages only available on server / Max 4 rules in total / Max 2 customizable objects
ALSO AVAILABLE ON EDGE VERSION - ON DEMAND



ZONE DETECTION

ZONE DETECTION IS A VIDEO ANALYSIS APPLICATION PERFORMING ACCURATE DETECTION OF ABANDONED OBJECT IN A PREDEFINED AREA.

Acic ZoneDetection® produces an alarm when an intrusion is detected for a period in a secure area. Smart algorithms adapt to environmental conditions to limit false alarms due to parasitic movements or changes in illumination.

PREMIUM

PART NUMBER

SERVER

- ZD-SERVER-BASE

EDGE

- ZD-EDGE-BASE-AXIS
- ZD-EDGE-BASE-HIK
- ZD-EDGE-BASE-DAH



PREMIUM

FEATURES:

4 rules, 2 object classes and 4 different scenario

- Line crossing
- Multiple lines crossing
- Sterile zone
- Motion detection

INCLUDED OPTIONS:

- 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.

SERVER VERSION

FOR ALL CAMERAS
NATIVE LINUX
VIRTUAL MACHINE (VMWARE, HYPERV)
GPU RECOMMENDED

EDGE VERSION

FOR DAHUA, AXIS & HIKVISION SUPPORTED CAMERAS

DYNAMIC

FEATURES [BASE]:

1 base rule, 2 Customizable objects classes and 4 different scenarios

- Line crossing • Double line crossing
- Sterile zone • Motion detection

PART NUMBER

- DYN-ZD-SERVER-BASE

ASSOCIATED OPTIONS:

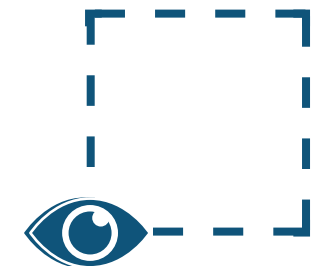
DYN-ZD-SERVER-OPT-RUL
DYN-ZD-SERVER-OPT-AI
DYN-ZD-SERVER-OPT-PTZ
DYN-ZD-SERVER-OPT-ANOM
DYN-ZD-SERVER-OPT-STAB
DYN-ZD-SERVER-OPT-FAIL

Additional rules Option (Max 4)
DNN/AI objects classes Option
PTZ adaptation Option
Full Anomaly Detection Option
Camera Stabilization Option
Failover Option

Associated products:

HDW-SERVER-OD

Appliance Server on demand



REMARKS :

Dynamic Packages only available on server / Max 4 rules in total / Max 2 customizable objects

ALSO AVAILABLE ON EDGE VERSION - ON DEMAND



AUTO TRACKING

AUTO TRACKING IS A VIDEO ANALYSIS APPLICATION DEDICATED TO CONTROL PTZ CAMERA AIMING TO TRACK A TARGET ISSUED FROM ALARM EVENT.

Acic AutoTracking® is a specific component automating the continuous and autonomous tracking of an object/person through the smooth operation of a PTZ (pan-tilt-zoom) camera. The solution is compatible with the main brands and VMS on the market.

PREMIUM

PART NUMBER

SERVER

- AT-SERVER BASE

EDGE

Not available



PREMIUM

FEATURES:

The main fields of application are the high-level video surveillance projects, where one wishes by the use of video analysis to increase the alert management by the operators. With Acic AutoTracking®, the target remains permanently in the camera's field of view after the first detection.

- Motion detection
- Tracking Target Period
- Hidden Target Period (re-acquisition)

INCLUDED OPTIONS:

- Anomaly detection base : detection of basic camera anomaly : camera occlusion, loss of signal.
- PTZ : adaptable on PTZ cameras (analytics on preset)

Associated products:

HDW-SERVER-OD
Appliance Server on demand

SERVER VERSION

NATIVE LINUX
VIRTUAL MACHINE (VMWARE, HYPERV)

FOR SUPPORTED CAMERAS ONLY (LIST AVAILABLE ON DEMAND)

EDGE VERSION

NOT AVAILABLE



REMARKS :

Dynamic Packages not available



PANORAMA DETECTION

PREMIUM	PART NUMBER
	SERVER • PN-SERVER BASE EDGE • NOT AVAILABLE

VIDEO ANALYTICS ON WATER MAY BE A HEADACHE. COVERING WIDE AREAS OFTEN REQUIRES A HUGE AMOUNT OF THERMAL SENSORS.

PanoramaDetection® is able to detect objects entering a wide area of water (such as a lake, the sea). PanoramaDetection will generate alarms when objects come into the area and track them for a predefined duration. The algorithm uses a specialized thermal extraction method to detect the foreground objects. The solution is robust to outdoor challenging conditions. PanoramaDetection is a fundamental video detection product adapted to wide water surface surveillance contexts.



PREMIUM	FEATURES <ul style="list-style-type: none"> • Automatic real-time activity detection • Objects size filtering through calibration • Ability to track the target • Compatibility with high end thermal PTZ units. • Target geolocalisation • Anomaly Base included 	PANORAMA DETECTION : <ul style="list-style-type: none"> • References in Europe and Africa • Cost-effective solution • Can run in static or scanning mode • Can operate on existing CCTV cameras, PTZ cameras, IP cameras • Low false alarm rate • Easy and visual setup interface for fast configuration 	SERVER VERSION NATIVE LINUX VIRTUAL MACHINE (VMWARE, HYPERV) FOR SUPPORTED CAMERAS ONLY (LIST AVAILABLE ON DEMAND) EDGE VERSION NOT AVAILABLE

REMARKS :
Only available on server / Mandatory to validate compliance of CAMERA



PEOPLE COUNTING

PEOPLE COUNTING IS A VIDEO ANALYSIS APPLICATION PERFORMING ACCURATE PEOPLE COUNTING.

PeopleCounting® allows you to follow in real time the evolution of the number of customers or visitors. PeopleCounting is a cost effective solution for accurate statistics in shops, shopping malls, museums or any public centers. PeopleCounting is the best tool to increase the return of your shops. The PeopleCounting setup is automatic and very fast (Real-Time automatic People Counting).



PREMIUM	PART NUMBER
	SERVER • PC-SERVER BASE
	EDGE • NOT AVAILABLE

PREMIUM	FEATURES:	INCLUDED OPTIONS:	SERVER VERSION
	People Counting • Standard VCA detection • Bidirectional counting • Line crossing	• PTZ : adaptable on PTZ cameras • Anomaly detection base : detection of basic camera anomaly : camera occlusion	FOR ALL CAMERAS NATIVE LINUX VIRTUAL MACHINE (VMWARE, HYPERV) GPU RECOMMENDED

DYNAMIC	FEATURES [BASE]:	ASSOCIATED OPTIONS:	
	People Counting AI • Base of one class AI / DNN (people) • People and head detection • Bidirectional counting	DYN-PC-SERVER-OPT-AI DNN/AI objects classes Option [List of object types available on demand (vehicle, truck, bicycle, ...)] DYN-PC-SERVER-OPT-ANOM Full Anomaly Detection Option DYN-PC-SERVER-OPT-STAB Camera Stabilization Option DYN-PC-SERVER-OPT-FAIL Failover Option	

PART NUMBER
• DYN-PC-SERVER-BASE

Associated products:
DMP-SERVER-BASE Data Management Platform
HDW-SERVER-OD Appliance Server on demand

REMARKS :
Dynamic Packages only available on People Counting 2.0 DNN to be deployed on server (GPU Recommended)



CROWD NUMBERING

CROWD NUMBERING IS A VIDEO ANALYSIS APPLICATION PERFORMING ACCURATE NUMBERING OF PEOPLE (OR OBJECTS).

CROWD NUMBERING® allows you to follow in real time the evolution of the number of people (customers, visitors, travelers, ...). CROWD NUMBERING is a cost effective solution for accurate statistics in shops, shopping malls, museums, transports infrastructures or any public centers.



PREMIUM	PART NUMBER
	SERVER • CN-SERVER-BASE
	EDGE • NOT AVAILABLE

PREMIUM	<p>FEATURES:</p> <p>8 zones and 2 types of objects: - Head & People Counting</p>	<p>INCLUDED OPTIONS:</p> <ul style="list-style-type: none"> • DNN / AI : 2 types of objects [List of object types available on demand (vehicle, truck, bicycle, ...)] • 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 EDGE VERSION</p> <p>NOT AVAILABLE</p>
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DYNAMIC	<p>FEATURES [BASE]:</p> <p>CROWD NUMBERING Base</p> <ul style="list-style-type: none"> • Base of one class DNN • People and head detection • 1 zone available <p>PART NUMBER</p> <ul style="list-style-type: none"> • DYN-CN-SERVER-BASE 	<p>ASSOCIATED OPTIONS:</p> <p>DYN-CN-SERVER-OPT-AI DYN-CN-SERVER-OPT-PTZ DYN-CN-SERVER-OPT-ANOM DYN-CN-SERVER-OPT-STAB DYN-CN-SERVER-OPT-FAIL DYN-CN-SERVER_OPT_ZONE</p> <p>Associated products: DMP-SERVER-BASE HDW-SERVER-OD</p>	<p>DNN/AI objects classes Option PTZ adaptation Option Full Anomaly Detection Option Camera Stabilization Option Failover Option Additional zone (max 8)</p> <p>Data Management Platform Appliance Server on demand</p>	
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REMARKS :
Dynamic Packages only available on server (GPU RECOMMENDED)



TRAFFIC MONITORING

TRAFFIC MONITORING IS A VIDEO ANALYSIS APPLICATION PERFORMING ACCURATE COUNTING AND MONITORING OF TRAFFIC.

Acic TrafficMonitoring® is a video analytics solution for traffic management and monitoring. The algorithms used allow simultaneous processing of several traffic lanes outside and inside tunnels.

In all contexts, Acic TrafficMonitoring® provides real-time individual vehicle counts or traffic rate data. This suite of products also allows to detect incidents in the field of view such as abnormal speed drops or wrong ways.



PREMIUM	PART NUMBER
	SERVER • TM-SERVER-BASE
	EDGE • NOT AVAILABLE

PREMIUM	<p>FEATURES:</p> <ul style="list-style-type: none"> • Traffic Analysis <p>Vehicles counting Speed measurement Vehicle classification</p> <ul style="list-style-type: none"> • Traffic classification <p>Quiet, Free flow, Busy, Congested</p> <ul style="list-style-type: none"> • Automatic Incident Detection: <p>Speed drop Congested traffic detection Stopped vehicle Ghost driver Overspeed detection Abnormal speed detection Flow traffic statistics</p>	<p>INCLUDED OPTIONS:</p> <ul style="list-style-type: none"> • Multiple lanes • Definition of traffic direction • Adapts to lighting changes • Anomaly Detection Base: detection of basic camera anomaly : camera occlusion, loss of signal <p>OPTIONS:</p> <p>DNN/AI for vehicle classification</p> <p>PTZ : adaptable on PTZ cameras (analytics on preset)</p> <p>Associated products: DMP-SERVER-BASE Data Management Platform HDW-SERVER-OD Appliance Server on demand</p>	<p>SERVER VERSION</p> <p>FOR ALL CAMERAS NATIVE LINUX VIRTUAL MACHINE (VMWARE, HYPERV)</p> <p>EDGE VERSION</p> <p>NOT AVAILABLE</p>
	<p>REMARKS : Only available on server (GPU RECOMMENDED) / Customizable objects for classification - GPU MANDATORY</p>		



LPR DETECTION

LPR DETECTION IS A VIDEO ANALYSIS APPLICATION PERFORMING ACCURATE PLATE RECOGNITION FROM STANDARD VIDEO SURVEILLANCE CAMERA

This solution is application providing the plate number of vehicle either through an API or directly integrated to ACIC DATA Management PLATFORM witch allowing you to enrich the data collected with calculated information as. Through DATA Management PLATFORM, you can define automated processes to compile information and create automated reporting.



PREMIUM

PART NUMBER

SERVER

- LPR-SERVER-BASE

Associated products:

DMP-SERVER-BASE
Data Management Platform

PREMIUM

FEATURES:

Based on LPR detection and Data Management Platform

- Vehicles counting / Speed measurement
- Control / Monitoring Site Access
- Time of presence on site (geofencing - In/out time)
- Timeframe between two LPR detection (estimated travel speed)

INCLUDED OPTIONS:

- Multiple lanes
- Adapts to lighting changes
- Plate Recognition from different countries*

OPTIONS:

DNN/AI for vehicle classification
[on demand]

Associated products:

DMP-SERVER-BASE
Data Management Platform
HDW-SERVER-OD
Appliance Server on demand

SERVER VERSION

FOR ALL CAMERAS
NATIVE LINUX
VIRTUAL MACHINE (VMWARE, HYPERV)
GPU RECOMMENDED

EDGE VERSION

NOT AVAILABLE



REMARKS :

Only available on server (GPU recommended) / **PRICING ONLY ON SPECIAL QUOTE**

* List of type of country plates to be validated



DATA MANAGEMENT PLATFORM

DATA MANAGEMENT PLATFORM IS THE ASSOCIATED APPLICATION TO DATA MINING VIDEO ANALYSIS SOLUTION

DATA Management PLATFORM is a software application allowing the management of data issued from PeopleCounting, CrowdNumbering, TrafficMonitoring solution, allowing to graph & map these informations. through this application, you can defined widget available directly into VMS.

PREMIUM	PART NUMBER
	SERVER • DMP-SERVER-BASE
	EDGE • NOT AVAILABLE



PREMIUM

FEATURES:

Web Application associated to ACIC DATA MINING Solution allowing :

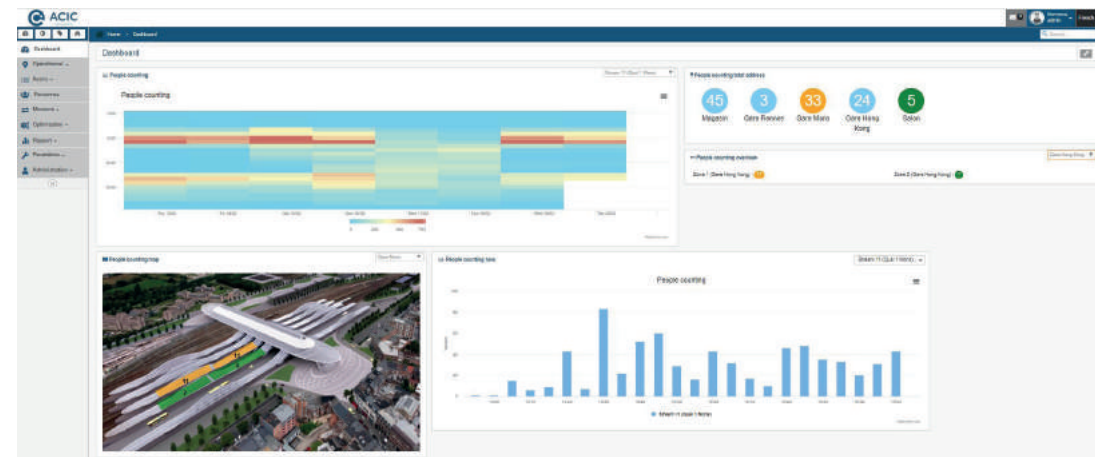
- to log data provided from ACIC Data Mining Solution (data from counting, classification, speed measurement, area occupancy, ...)
- to define graphs associated to these data (various types of graphs)
- To define maps & areas to ease data presentation
- create widgets directly included into VMS Solution.

SERVER VERSION

PROVIDED AS VIRTUAL MACHINE (VMWARE, HYPERV)

OPTIONS ON DEMAND :

THRESHOLD DEFINITION / WORKFLOWS MANAGEMENT / AUTOMATED REPORTS



REMARKS :

Only available on server / Annual fee licence



STANDARD OPTION

WITH OUR OPTION PACKAGE, YOU ARE ABLE TO ADD OPTIONS TO IMPROVE SYSTEM REDUNDANCY, CAMERA STABILIZATION AND ANOMALY DETECTION

PREMIUM

FAILOVER OPTION

The failover option which gives you to possibility to have a redundant server in case the first one crashes. With the failover, in case of server problem, you have no loss in your security system; This option is only available for Full PREMIUM Packages

SERVER VERSION

For all cameras
Native Linux
Virtual machine (VMWare, HyperV)

One to one redundancy
N to one redundancy (with priorities)

Partner Number :

OPT-FAIL

CAMERA STABILIZATION OPTION

The camera stabilization option is a must for the good operation of the program. If the camera is moving, you can reduce the movement with this option. With less movement you will have less false alarms. This option is only available on for Full PREMIUM Packages

SERVER VERSION

For all cameras
Native Linux
Virtual machine (VMWare, HyperV)

Partner Number :

OPT-STAB

FULL ANOMALY DETECTION

The full anomaly detection has a large range of added values. It can detect blurry image, under/over exposure, displacement of the camera, expert's settings (loss of quality), camera occlusion and loss of signal. It is also possible to use this option on a PTZ camera. This option is only available on for Full PREMIUM Packages

SERVER VERSION

For all cameras
Native Linux
Virtual machine (VMWare, HyperV)

EDGE VERSION

For DAHUA, AXIS & HIKVISION supported cameras

Partner Number :

OPT-ANOM-SERVER-BASE
OPT-ANOM-EDGE-BASE-AXIS
OPT-ANOM-EDGE-BASE-HIK

HDW

HARDWARE APPLIANCE

Hardware appliance available on demand based on appliance CAPSULE / ARROW SENECA

Partner Number :

HDW-SERVER-OD



REMARKS :

All Standard Options can be added to the most of PREMIUM and Dynamic Solutions. Please check availability before ordering.



SUPPORT & SMA PROPOSAL

SOFTWARE MAINTENANCE AGREEMENT AIMS TO ENSURE THE SUSTAINABILITY OF YOUR SOFTWARE INSTALLATION TOWARDS THE EVOLUTION OF YOUR IT INFRASTRUCTURES.

Software solution evolve over time through :

Major Version: software Product that contains significant new features or functionalities as compared to the previous version. Identified by the whole number. Ex: V 2.x to 3.0

Minor Version: software Product that contains fixes and/or Minor software enhancements within the same Major Version. Identified by the decimal. Ex: V 2.0 to 2.1

SMA allows you to prevent issues from these update/upgrade and guarantees you support from our support team.

In addition, you can get support from our support team (online/on-site)

INCLUDED IN SMA	<p>FEATURES</p> <ul style="list-style-type: none"> • Re-hosting of license • Support during re-hosting phase • Software Update: a software upgrade provides a new Major version compared to the one previously installed. • Software Upgrade: A software update, a.k.a.s “patch”, provides a new Minor version of the software within the same Major version <p>PART NUMBER :</p> <p>SMA- «associatedPARTNUMBER» - «number of covered year» Y</p>	NOT INCLUDED IN SMA	<p>EXPERT SUPPORT</p> <p>Expert Support: How to optimize?</p> <p>Focuses on supporting the End-user to optimize the results of the Video Content Analysis. Expert Support is never included in any Support & Maintenance Agreement. Get a quotation based on your needs!</p>	<p>REMOTE SUPPORT</p> <p>Support provided on remote for project analysis, software configuration, product training, etc</p> <p>ONSITE SUPPORT</p> <p>Support provided on location for project analysis, software configuration, product training, etc</p> <p>Get a quotation based on your needs! ManDays + travel and accommodations</p>
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REMARKS :
 SMA Activation are linked to product license number «associatedPARTNUMBER», you need to request a specific quotation from our sales department (sales@acic.eu). Please, include the following information of PROJECT NAME and List of Product License number linked to these SMA Request. More information, feel free to contact our sales department.





HEADQUATERS

ACIC SA
BLD INITIALIS 28
7000 MONS - BELGIUM

Sales Department
sales@acic.eu
+32 65 39 43 80

EUROPE

Alexandre de Halleux
dehalleux@acic.eu
Mobile: +32 491 61 10 80

MEA

Nabil JABAKH
jabakh@acic.eu
Mobile UAE : +971569795142
Mobile MAR :+212655709159

**PRICING ON DEMAND
CONTACT OUR SALES DEPARTMENT**