



ACIC ActivityDetection APPLIANCE



milestone



ACIC

VIDEO ANALYTICS & AI

EASE YOUR VCA DEPLOYMENT USING ACTIVITY DETECTION APPLIANCE BASED ON CAPS-HYPOD -i9- 64GB WITH MILESTONE XPROTECT ® INSIDE

Based on this appliance, you have an all-in-one server avoiding tedious system deployments and associated downtime.

The VCA solutions preinstalled on this appliance includes the full suite of ACIC VCA Server solutions.

The first reference of the APPLIANCE is sized to allow the deployment of up to 10 **ActivityDetection** licenses (ACIC products), as well as the processing of 50 cameras by the Milestone XProtect.*

*Analytics resolution up to 720p at 18fps



VCA FEATURES

ACTIVITY DETECTION

ActivityDetection is a video analysis application performing accurate detection of intrusion and suspicious behaviors.

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

ActivityDetection offers 5 different scenarios for the detection:

- Line crossing
- Multiple lines crossing
- Sterile Zone detection
- Stationary object detection
- Motion Detection

ADDITIONAL OPTIONS :

To the basic package, you can add options and features to customize your license up to your needs. It is possible to upgrade your basic package with required options if you realize that you miss some features in your solution.

Options list:

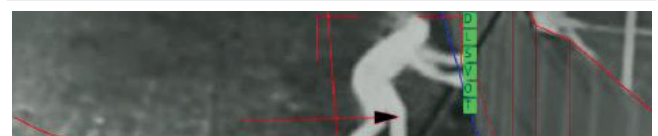
- Additional Detection Rule: possibility to activate additional detection rules to configure more analytics scenarios.
- DNN / AI object classes: confirmation by an AI module of the detected object nature. Improves detection performance and reduces false alarm rate.
- PTZ adaptation: Allows presets based analytics on PTZ cameras.
- Full Anomaly Detection: allows detection of failure on the video stream. Loss of signal, loss of quality, camera tampering, camera displacement, over and under exposure area and blurry image.
- Camera Stabilization: allows image stabilization on non-stable cameras.
- Data Management Platform: Platform for centralization, visualization and use of data through graphics, maps, report, statistics, ... can be integrated into Milestone.

BASE PACKAGE :

ACIC **ActivityDetection** Dynamic allows you to start with a base package. This basic package includes **two detection rules** for one scenario.

FEATURES

- Fence / Line crossing, tripwire
Detection of the crossing of virtual lines
Directional Filtering
- Sterile Zone
Intrusion in a zone
No man's land
- Loitering
Presence in a region with a duration
- Group Detection
Classification of the group size
- People Running
People running with adjustable speed
- Vehicle Overspeeding
Vehicle overspeeding with adjustable speed
- Counterflow
Wrongway Detection
- Stationary Detection
Left or removed objects
Graffiti
Stopped vehicle



CAPS_MIL_AD_10 - ACIC - VCA APPLIANCE.

ActivityDetection Appliances bundle is designed to allow you to manage up to 50 cameras with Milestone XProtect® and includes 10 ActivityDetection licences (pre-installed). Upgrades are available by activating new licences and more options.

For more information - Contact our Sales Department - sales@acic.eu.

CAMERA VERSION



ACIC VCA / CAPSULE SERVER
MILESTONE XPROTECT®



XPROTECT® SMART CLIENT



SERVER FEATURES

CAPS-HYPOD-i9-64GB - WITH MILESTONE XPROTECT® AND ACIC ACTIVITY DETECTION

Main Features

Maximum number of cameras
maximum bandwidth 600 Mbit/s
Form factor
4U rack Rail kit included
Dimensions (D x L x H)
450 x 430 x 177 mm
Material warranty
3 years, parts shipment next business day

Storage system

Recording bandwidth
600 Mbit/s in RAID-5
Number of hard drives
Up to 4 internal 3.5" SATA hard drives
Level of data protection
RAID-5 or RAID-6
Dedicated storage for the operating system
2 x 512GB SSD in RAID-1

Server features

Processor
Intel® Core i9 -10900K - 3.7GHz
RAM
64GB (4 x 16GB) shared between VMs (max 128GO in total)
Operating System
CAPS-OS v5
Windows 10 Pro 64 bits for 1 x VM
Linux Centos 7 for ACIC VM

Network Interfaces and Connections

Network Controller
2 x 1GbE RJ45
Remote Management
1 x 1GbE RJ45 for Management (CAPS-OS)
Monitor Connection
1 x VGA

Power & Environmental operating conditions

Input power
100 - 240V, 50 / 60Hz
PSU Capacity
1000W, Gold
Operational Temperature
10°C - 35°C
Moisture conditions in operation
8% - 90% (without condensation)

Available References

Appliance Part Number : **CAPS_MIL_AD_10** (Bundle includes 10 ActivityDetection licenses)

Hardware Options:

CAPS-OPT-HYPOD-RTX4000
CAPS-OPT-HYPOD-P1000
CAPS-OPT-HYPOD-P2200
CAPS-OPT-HYPOD-P5000
CAPS-OPT-HYPOD-P6000

Optional Nvidia RTX4000 8GB/DP
Optional Nvidia QUADRO P1000 v2 4GB/DP
Optional Nvidia QUADRO P2200 - 5GB/DP
Optional Nvidia QUADRO P5000 - 16GB/DP/DVI-D
Optional Nvidia QUADRO P6000 - 24GB/DP/DVI-D