



Video analysis can effectively increase the efficiency of video surveillance, especially if it matches the needs of your system and the infrastructure to be monitored. With VCA Light, Arteco offers its expertise in the field of video analysis even to systems with reduced dimensions and needs.

Available for uSee, OMNIA Active and Extreme, **VCA Light** is a particularly suitable solution for perimeter and intrusion detection. Thanks to its analysis set, it constantly analyzes the movements and behaviors of people and objects within their surrounding environment, **automatically extracts the most significant information from the video streams and displays them in the form of alarms to the user.**

## **HOW IT WORKS**

**VCA Light processes video, identifies objects in the video footage (people, vehicles),** and indexes them so that footage can be easily and quickly browsed and analysed for different purposes:

- 1) to conduct post-event investigation and forensics searches
- 2) to enhance security situational awareness in real-time.

## DEEP LEARNING

VCA Light technology is rooted in the Deep Learning machines learning model in which neural networks are being trained to extract patterns from massive amounts of data. As a result, the video analytics software is able to process video streams and contemporarily detect and classify every object that appears on screen.

ANALYTICS	
<b>Tamper</b>	Tampering detection, lack of video signal
<b>Object Classifier</b>	Deep Learning Classifier
<b>Rules and Algorithms</b>	Presence, Dwell
<b>Object Deep Learning</b>	Automatic detection and classification of 2 object classes: person, vehicle

### Minimum system and camera requirements

<b>OS</b>	Windows 10
<b>CPU</b>	Intel i3 generation 8 or latest, or Intel Xeon E series
<b>RAM</b>	8GB or higher
<b>GPU</b>	Intel, NVIDIA Cuda series
<b>Network</b>	Ethernet, 1 Gigabit
<b>HDD Space</b>	1TB HDD
<b>Arteco VMS Version</b>	10.0 or higher
<b>Encoder video stream</b>	H.264, H.265
<b>Risoluzione</b>	320*240
<b>Framerate</b>	10 fps

### Recommended system and camera requirements

<b>OS</b>	Windows 10
<b>CPU</b>	Intel i7 or i9 generation 8 or latest, or Intel Xeon W series or higher
<b>RAM</b>	16 GB or higher
<b>GPU</b>	NVIDIA Cuda series
<b>Network</b>	Ethernet, 1 Gigabit
<b>HDD Space</b>	1TB HDD
<b>Arteco VMS Version</b>	10.0 or higher
<b>Encoder video stream</b>	H.264, H.265
<b>Risoluzione</b>	480P [Max 720p]
<b>Framerate</b>	15 fps