

## TECHNICAL FEATURES

SYSTEM	
Supported OS	Ubuntu 16.04LTS, Ubuntu 18.04 LTS, Windows 10
Browser	Chrome (version 61 and above)
Supported clients	PC, Mac, Android
Software update	Manual
Compression format supported	H.264, MPEG-4
GPU (Deep Learning)	NVIDIA GeForce® GTX 1050 and above

BASIC RULES	
Device Events	Analytical rules, lack of signal, network status check (heartbeat)
Post-event actions	Open Connector, E-mail, Arm/Disarm

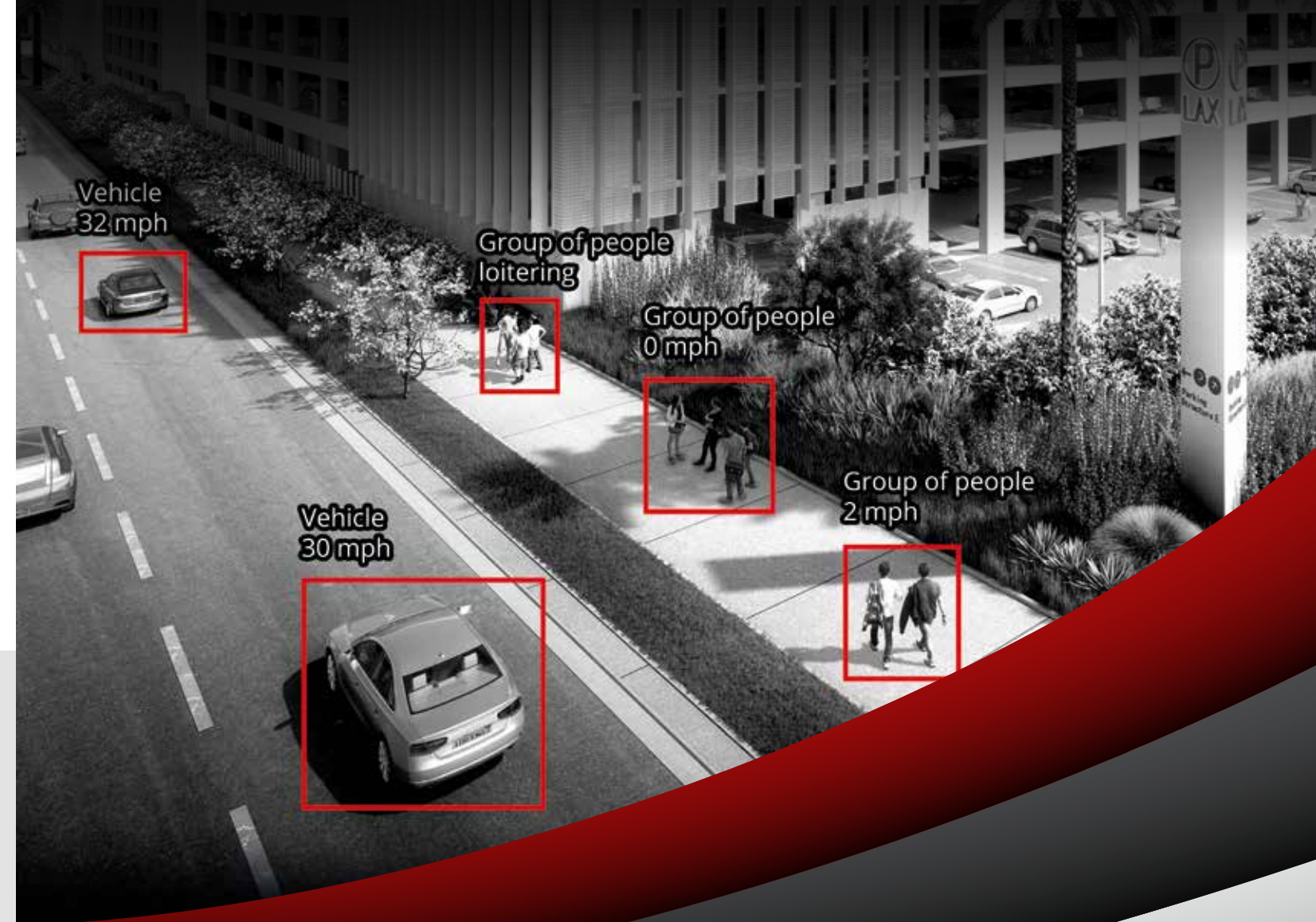
PERFORMANCE		
Number of channels	Intel i3-7100U 2.40Ghz (4GB RAM)	16ch (D1 @ 30fps) 4ch (1080p @ 30fps)
	Intel i5-4460 3.20GHz (8GB RAM)	32ch (D1 @ 30fps) 12ch (1080p @ 30fps)

ANALYTICS	
Tamper	Tamper, lack of video signal
Object Classificatio	Reliable object tracking engine with customizable classes
Objects Counting	Accurate counting of people and vehicles, even in complex scenarios
Event rules	3D calibration, Intrusion detection, Anti-shake, Tamper detection, Occupancy detection, Group of People detection, Loitering, Wrong direction, Input and output filters, Appear/Disappear filters, Stop filter, Stop filter, Direction filter, Colour filter, Counting, Abandoned object filter, Object filter removed, Zones and lines, Speed filter, Tailgating filter and AND / OR logic rules
Deep Learning	Automatic detection and classification of two classes of objects. Requires NVIDIA GPU



# Arteco VCA

## Video Analysis for Intelligent Security



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## Arteco VCA

Arteco VCA is the **video analysis server** that brings your Arteco Extreme VMS license to the most advanced level of intelligence: it allows automatic recognition of people, objects and vehicles; motion detection and the application of filters and zones directly on video streaming in real time

Thanks to the application of Arteco VCA **analysis algorithms**, you can get incredible advantages in terms of **efficiency, reducing costs and risk margins** due to surveillance entrusted exclusively to the management of security personnel.

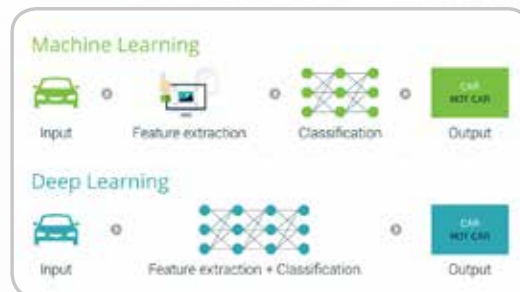
### Metadata

The detection of moving subjects generates metadata that appear in real-time in the video streaming and also simplify the forensic research after the event.



- Date and time
- Channel
- Type and name of the event
- Bounding box
- Classification, speed and size of the object
- Classification and confidence of Deep Learning
- Object color

### Deep Learning



- Classification without calibration
- Solid and reliable analytics
- Classification for use purpose
- Reduced hardware requirements
- False alarm filter

### Smart & Safe City



- Vehicle counting
- Traffic flow
- Wrong direction
- Prohibited Stops
- Accident detection

### Security



- Violated areas
- Loitering
- Object classification
- Abandoned object
- Anti-tampering

### Retail



- Customer flows
- People counting
- Queue detection
- Prolonged stops
- Input / output filter