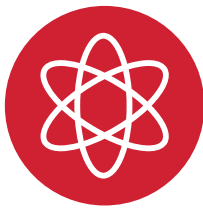


■ Computer Vision

It is based on the capability of "teaching" machines to visualize and interpret their environment in a similar way as humans do. This is achieved as part of an interdisciplinary process.

■ Physics



Applied knowledge of optics to optimize the image capture according to the environmental conditions.

■ Image Processing



Capture, detect and classify existing elements in videos.

■ Machine Learning



Artificial Intelligence and supervised Algorithms based on pattern recognition.

■ Data Science



Statistical and mathematical models used to provide valuable information.

■ Features

- Intelligent detection and tracking of people and objects
- Demographic profiling
- Parametrical real time alerts
- Biometric profiling and comparison
- Behavioral patterns detection
- Heat map generation

General Architecture

Online Mode



Local processing

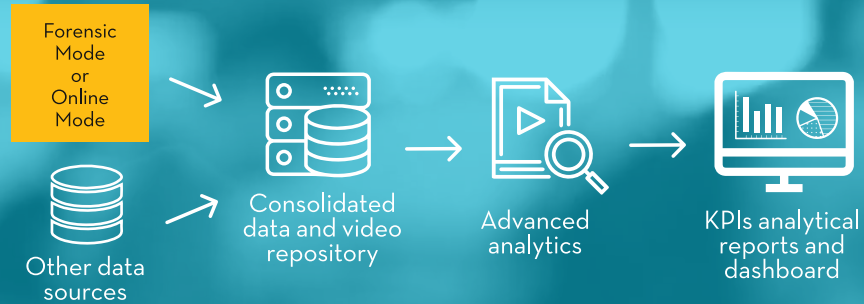
Video data is captured and processed in real time, then integrated and consolidated in a single repository along with other defined data sources, from which analytical models, KPIs and dashboards are created.

Forensic Mode



Stored Videos

Already recorded videos and related data are integrated and consolidated in a single repository, from which analytical models, KPIs and dashboards are created.



Captured video and other related information are processed, integrated and consolidated in a single repository along with other defined data sources, from which analytical models, KPIs and dashboards are created.

Business application

Smart Cities



A smart city is a vision of urban development that integrates Information Technologies (ITs) and the Internet of Things (IOT) concept with the idea of improving the life of its inhabitants. This is accomplished by managing different aspects of a city, generating and communicating information from our homes, roads and transportation systems, public security entities, health institutions, among others.

Metric Video Analytics integrates as part of an intelligent network, offering solutions in diverse contexts, such as: Buildings, shopping centers, public transport systems (buses & metro) and points of public interest.

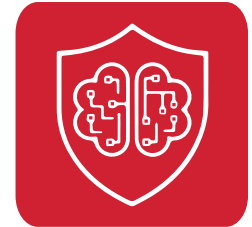
Retail Analytics



In the context of a globalized world, any information that enables companies to make informed decisions and manage their business efficiently is vital

Metric Video Analytics delivers functionalities such as demographic profiling of people visiting your business, conversion ratio inside a store, heat maps based on actual flow of people and biometric profiling of customers, allowing you to better know your end customers in order to provide tailor made deals.

Occupational Safety



Workplace security is also a use case where Video Analytics can play a role, by avoiding more people to track the occupational safety, and rely on Artificial Intelligence to catch hazards and policy violations.

The solution allows to track, for example, persons without helmet, harness, reflective vest, among others, and trigger alerts.