



eocortex

# WORLDWIDE MANUFACTURER VIDEO SURVEILLANCE SOFTWARE

Reduce your expenses. Increase security.  
Evolution of the Configurator and Client.

**x150** times faster group  
camera configuration

Get Trial for 14 days



[eocortex.com](https://eocortex.com)



# EOCORTEX – 18 YEARS ON THE INTERNATIONAL MARKET

95+  
countries

15,000+  
projects

25+  
AI-based analytic  
modules

~ 1,000,000  
cameras operate  
on Eocortex



# VIDEO ANALYTICS

eocortex 



Face Recognition



Face Detection



License Plate Recognition



Tracking



Smoke and Fire Detector



Frame area blurring



Loud Sound Detection



Abandoned Object Detection



PPE/Uniform Detection



Face Mask Detection



Sabotage detection



PTZ camera control



Shelf Fullness Check



People Counting



People Counting in Queue



Heat Map



Fisheye dewarping



Audio Stream Processing



Suspect Search



Personnel Monitoring



Crowd Monitoring



Unique Visitor Counting



Failover



Video Wall

# Tracking



## Purpose

To prevent terrorist acts, to minimize loss of property caused by the actions of third parties.

## How it works

You receive an immediate notification to the monitor, phone or e-mail:

- ✓ when an object crosses the control line (intrusion into the territory, throwing of an object over a fence, etc.)
- ✓ when an object moves in the area
- ✓ when an object has remained in the area for a long time

You can search in the archive for fragments of a video on which an object entered the control zone.

## Your benefits

You do not need to look at video surveillance monitors 24 hours a day. Thanks to the Tracking module, you can dispatch security forces to neutralize the intruder and thus:

- ✓ prevent a possible terrorist attack
- ✓ ensure the safety of people
- ✓ safeguard your property

In addition, you can save server capacity by configuring video recording to start only when control events occur.

# Abandoned Object Detection



## Purpose

To prevent terrorist attacks, to eliminate the threat to life and health of people.

## How it works

You can:

- ✓ specify the area to search for the abandoned object on the camera image
- ✓ specify the duration of object location in the zone

When the control event is detected, you receive an immediate notification to the monitor, phone or e-mail.

## Your benefits

You do not need to look at video surveillance monitors 24 hours a day. Through the use of the Abandoned Object Detection module, you can:

- ✓ prevent possible terrorist attack
- ✓ promptly inform people in the danger zone for their subsequent evacuation and rescue
- ✓ identify the person who left the object

Thus, you can save the lives and health of many people, avoid grave property loss. You can also help to neutralize a perpetrator.



## Purpose

To prevent mass unrest and public disturbance.

## How it works

You can:

- ✓ specify areas of the frame in which monitoring will be performed
- ✓ set two quantitative levels: "Attention" and "Alarm"

If one of the levels is exceeded, you receive an immediate notification to the monitor, phone or email.

You can plot graphs showing the number of people in a given area on the timeline.

## Your benefits

You do not need to look at video surveillance monitors 24 hours a day.

Thanks to the Crowd Monitoring module, you can dispatch security forces to prevent mass unrest on the territory under your control.

Thus, you ensure the safety of people and reduce your reputational risks.



## Purpose

To respond promptly to force majeure events, accompanied by a loud sound.

## How it works

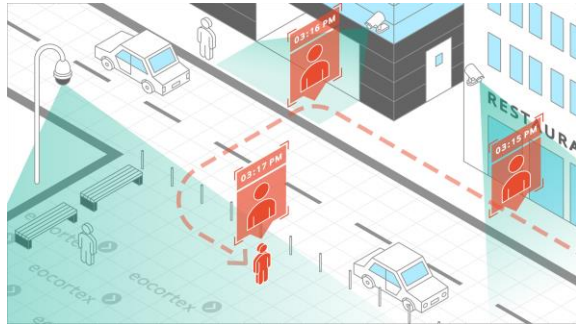
- ✓ When the sound pressure level detected by the camera microphone exceeds the preset value, you receive an immediate notification to the monitor, phone or e-mail
- ✓ If the exceeding of the preset sound pressure level is detected, the video recording to the archive starts automatically

## Your benefits

You do not need to look at video surveillance monitors 24 hours a day. Thanks to the Loud Sound Detection module, you can identify the source of danger.

Thus, you can ensure the safety of people, and minimize damage to property.

# Suspect Search



## Purpose

To prevent and investigate offenses, to find lost children in the street.

## How it works

- ✓ You can choose a person on the recording from the camera.
- ✓ The program offers freeze-frames and video sequences with the image of similar people from different cameras in chronological order.
- ✓ The program draws the object movement trajectory on the loaded room plan.
- ✓ You can search for objects in the video archive using downloaded photo by color, size, position in the frame, and form.

## Your benefits

You don't have to spend time searching for frames with the right person in the video archive. With the Suspect Search module, you can reconstruct the route of this person in minutes in order to establish his/her location.

This will allow you to:

- ✓ quickly find and return to the parents of a child who is lost in the street
- ✓ quickly find a suspected offender and dispatch security forces to neutralize him/her

# Face Recognition



## Purpose

To organize 100% controlled access of people to the territory.

## How it works

You can:

- ✓ integrate the module with the access control system
- ✓ create a database of photos of "trusted" and "blacklisted" people
- ✓ receive automatic notifications to the monitor, phone or e-mail about infiltration attempts perpetrated by people who do not have access rights
- ✓ search for fragments with the detected face in the video archive, search for people in the video archive using their photos

## Your benefits

You do not need to use your staff to control the admission to all premises. Thanks to the Face Recognition module you can:

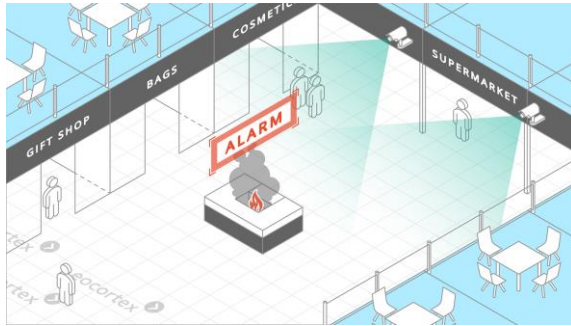
- ✓ provide automatic admission to the premises of those employees who have appropriate permission, and control the time they spend there
- ✓ prevent the unauthorized persons from entering the premises

Thus, you will be able to ensure a high level of security for people and infrastructure.

# Smoke and Fire Detection



# Face Detection



## Purpose

To avoid victims, loss of property and disasters caused by fires.

## How it works

- ✓ In case of detection of "Smoke" or "Fire" events, you receive an immediate notification to your monitor, phone or e-mail.
- ✓ All module events are recorded in the Event Log for quick search in the archive.
- ✓ You can integrate the module with fire alarm or fire extinguishing system.

## Your benefits

You do not need to look at video surveillance monitors 24 hours a day. Thanks to the Smoke and Fire Detection, you can:

- ✓ prevent fire or smoke from spreading
- ✓ promptly inform customers and staff in the danger zone for their subsequent evacuation and rescue
- ✓ investigate causes of fire or smoke



## Purpose

To minimize property loss, to avoid threats to life and health of customers and staff.

## How it works

You can:

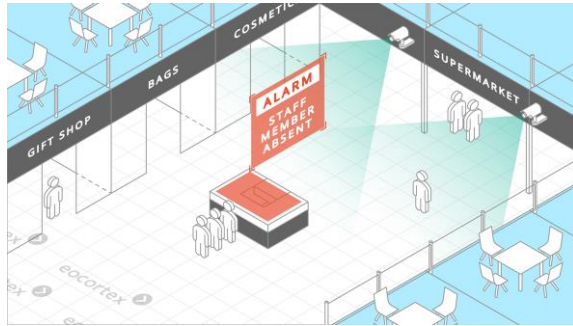
- ✓ see all the faces which got into the field of vision of the camera
- ✓ receive automatic notifications upon detection of faces to the monitor, phone or e-mail
- ✓ generate reports about the persons whose presence was detected, indicating the detection time
- ✓ save detected faces in JPG format

## Your benefits

You do not need to look at video surveillance monitors 24 hours a day. Through the use of Face Detection, you can find a suspect person by the face which got into the field of vision of the camera.

Thus, you can prevent the occurrence of grave dangers in the work of staff and in the operation of the infrastructure attributed to human factor.

# Personnel Monitoring



## Purpose

To increase work performance of your staff, to reduce risks attributable to human factor.

## How it works

- ✓ You can configure up to six staff activity monitoring zones for each camera
- ✓ The system captures the movement or its absence in the activity zone in real time
- ✓ When the controlled events are detected, you receive an immediate notification to your monitor, phone or e-mail
- ✓ You can create reports for each configured zone for a specified period of time

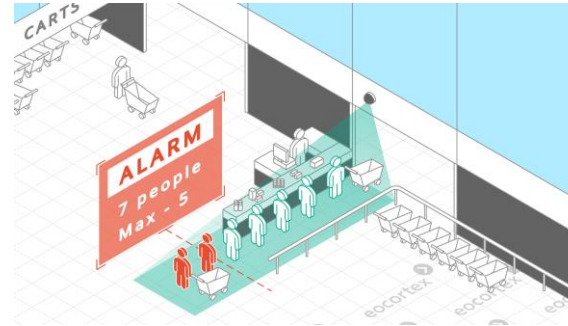
## Your benefits

You do not need to look at video surveillance monitors 24 hours a day. Thanks to the Personnel Monitoring, you can make effective management decisions related to:

- ✓ evaluation of time and quality of work of your employees
- ✓ optimization of your incentive program and work processes

Thus, you can improve your staff's work performance and reduce the risks of occurrence of dangerous situations related to the absence of personnel in the workplace.

# People Counting in Queue



## Purpose

To increase sales proceeds and customer loyalty.

## How it works

You can:

- ✓ configure up to two queue detection zones for each camera
- ✓ set the threshold value of the number of people and duration of their stay in the queue

When the threshold value is exceeded, you receive an immediate notification to the monitor, phone or email.

You can create reports about the number of people in queues for any period of time, zone and facility as a whole.

## Your benefits

Thanks to the People Counting in Queue, you can:

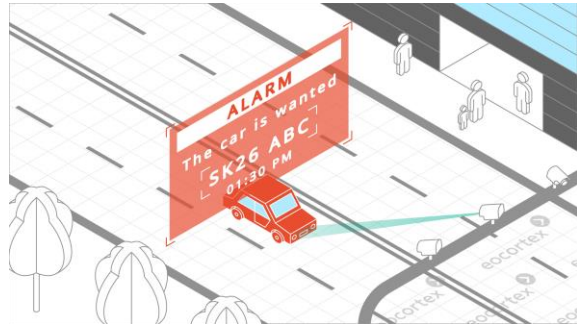
- ✓ quickly engage additional staff and eliminate the queue
- ✓ adjust opening hours of your store and the work schedule of your staff

Thus, you retain customer loyalty and optimize your expenses.

# License Plate Recognition



# People Counting



## Purpose

To monitoring and calculate traffic.

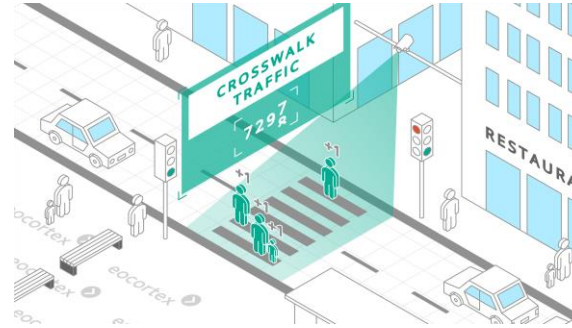
## How it works

You can:

- ✓ add license plates to the database, create their "black" and "white" lists
- ✓ control the opening of a rising arm barrier
- ✓ save time and date of recognition, license plate, links to the corresponding video frame in the archive
- ✓ search for the license plates in the archive based on time and date
- ✓ upload data in XLS or CSV formats

## Your benefits

With License Plate Recognition, you can register license plate numbers of vehicles on the wanted list.



## Purpose

To evaluate the pedestrian traffic.

## How it works

You can specify the minimum height of the objects to be counted in order to exclude, for example, shopping carts and baby carriages. The system counts all entering and exiting visitors.

You can:

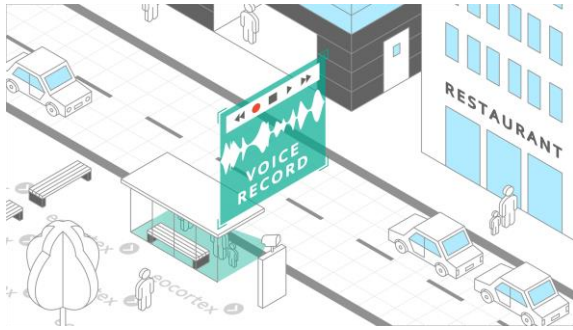
- ✓ create reports and graphs broken down by hours, days, months, years based on the data from various cameras
- ✓ export data to CSV format

## Your benefits

Thanks to the People Counting module, you calculate the number of pedestrians with 99% precision. It allows you to:

- ✓ calculate the volume of tourist flow
- ✓ determine the peak load time on the streets, near attractions
- ✓ regulate the work of staff serving tourists

Thus, you increase the loyalty of tourists.



## Purpose

To prevent offences.

## How it works

- ✓ The program transmits and records audio from a camera with built-in microphone.
- ✓ You can also transmit the sound to the object of surveillance through the camera.
- ✓ You can equip the camera with a sound amplifying device if required

## Your benefits

Thanks to the Audio Stream Processing module you can:

- ✓ prevent the development of conflict situations
- ✓ prevent possible harmful actions of the subject being monitored, warning him that he is under surveillance

Thus, you prevent offences, ensure the safety of people.



## Purpose

To provide greater flexibility of the video surveillance system.

## How it works

You can:

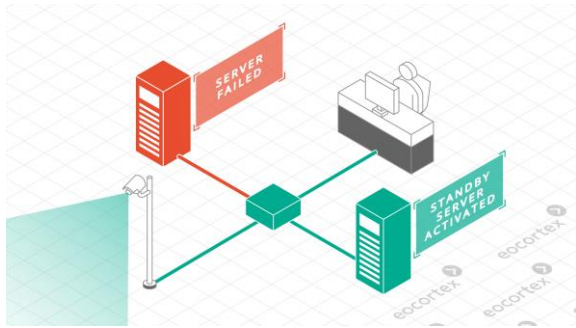
- ✓ control the camera rotation in the desired direction by using a joystick or keyboard
- ✓ zoom camera image in and out by using the optical zoom
- ✓ control the camera focus in automatic or manual mode
- ✓ set up camera scenarios

## Your benefits

Thanks to the PTZ Camera Control module you can:

- ✓ replace several conventional cameras indoors or outdoors with a single PTZ camera
- ✓ see the smallest details of the image from the camera
- ✓ focus the camera on the desired object and track it

Thus, you increase the flexibility of your CCTV system and solve complex tasks, which is impossible when you use conventional cameras.



## Purpose

To provide a video stream and to record a video archive regardless of force majeure factors.

## How it works

- ✓ The module is installed on each camera, archive and transmission of which you want to protect.
- ✓ If the server with the cameras on which the module is installed fails, these cameras will be transferred to the backup server.
- ✓ It will provide consistent transmission of video and prevent loss of archive while the server is disconnected.

## Your benefits

- ✓ Thanks to the Failover module, you will not lose a minute of video transmission or recording made by your video surveillance system.
- ✓ You continue to receive all notifications of control events from your video analytics to your phone or email, despite the potential problems with the server.
- ✓ Thus, you continuously ensure the safety of people.



## Purpose

To minimize the time of video surveillance cameras inoperability.

## How it works

You can configure control events:

- ✓ camera defocusing
- ✓ panning away from pre-defined view
- ✓ flaring
- ✓ overlapping of the camera view

When any control event occurs, you receive an immediate notification to the monitor, phone or e-mail.

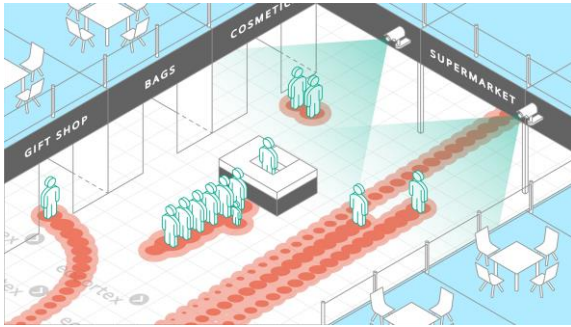
## Your benefits

Thanks to the Sabotage Detection module, you can quickly restore video surveillance system operability.

Thus, you will ensure uninterrupted monitoring and receiving notifications of video surveillance system about the control events:

- ✓ related to ensuring the safety of people and infrastructure
- ✓ related to ensuring the effectiveness of your processes

# Heat Map



## Purpose

To increase the economic return of the commercial or office space use.

## How it works

The areas were displayed in real time on the map

You can:

- ✓ superimpose a heat map on the image from the camera
- ✓ create a heat map on the facility layout
- ✓ make reports of traffic density analysis within the specified time intervals traffic has been recorded during the last ten seconds are

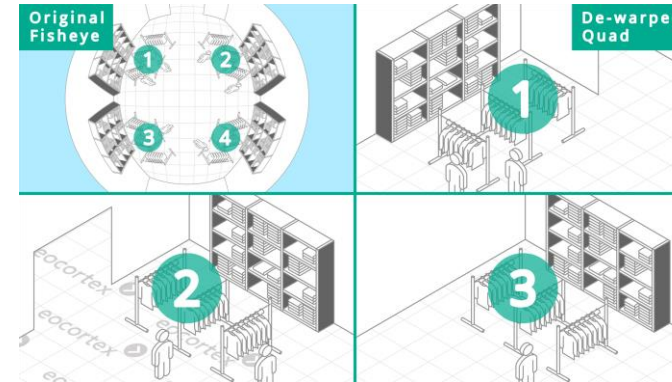
## Your benefits

Thanks to the Heat Map, you can determine the routes of the movement of people in the premises. This will allow you to draw conclusions:

- ✓ on the premises layout efficiency
- ✓ on the quality of goods layout, on displaying the merchandise and point of sales (POS) materials, on showcase decoration, and to make the necessary changes
- ✓ on the popularity of certain products in stores

Thus, you increase the return from your premises and get more profit.

# Fisheye Dewarping



## Purpose

To reduce the cost of the video surveillance system.

## How it works

You can obtain an expanded image and control it by using joystick and keyboard:

- ✓ in the double panorama mode - the panorama is divided in two parts, 180° each
- ✓ in the 4x90 mode - the image is divided in four cells, 90° each
- ✓ in the virtual PTZ mode, which simulates PTZ camera operation

## Your benefits

Thanks to the Fisheye Dewarping, you can:

- ✓ replace several conventional cameras indoors with a single Fisheye-camera with wide functionality
- ✓ view several controlled areas simultaneously using a single camera



## Purpose

To minimize the number of injuries due to violation of safety requirements by workers.

## Uniform type:

Hard Hat, Safety vest, Respirator, Glasses, Face shield, Hearing protection, Gloves and mittens, Clothing of set color.

## How it works

- ✓ Your video surveillance system with the activated Hard Hats Detection module identifies a person in the frame and detects the presence of a type of a uniform.
- ✓ In the event of absence of hard hat or another parameter, you will automatically receive a notification on your monitor, phone or e-mail.
- ✓ All control events are automatically logged. You can find a video fragment with the violation in the archive at any time.

## Your benefits

You do not need to look at monitors of video surveillance cameras 24 hours a day. Thanks to the Hard Hats Detection module you can:

- ✓ minimize the cases of violation of safety regulations by the employees
- ✓ prevent injuries in the workplace
- ✓ avoid penalties from regulatory authorities
- ✓ investigate the circumstances of cases of safety regulations violation

## Purpose

To prevent terrorist attacks, to eliminate the threat to life and health of customers and staff.

## How it works

You can:

- ✓ specify the area to search for the abandoned object on the camera image
- ✓ specify the duration of object location in the zone

When the control event is detected, you receive an immediate notification to the monitor, phone or e-mail.

## Your benefits

You do not need to look at video surveillance monitors 24 hours a day. Through the use of the Abandoned Object Detection module, you can:

- ✓ prevent possible terrorist attack
- ✓ promptly inform customers and staff in the danger zone for their subsequent evacuation and rescue
- ✓ identify the person who left the object

Thus, you can save the lives and health of many people, avoid grave property loss. You can also help to neutralize a perpetrator.

# Remote Access

To get mobile access to your video surveillance system, you can use mobile applications on iOS, Android and through web client via the browser.

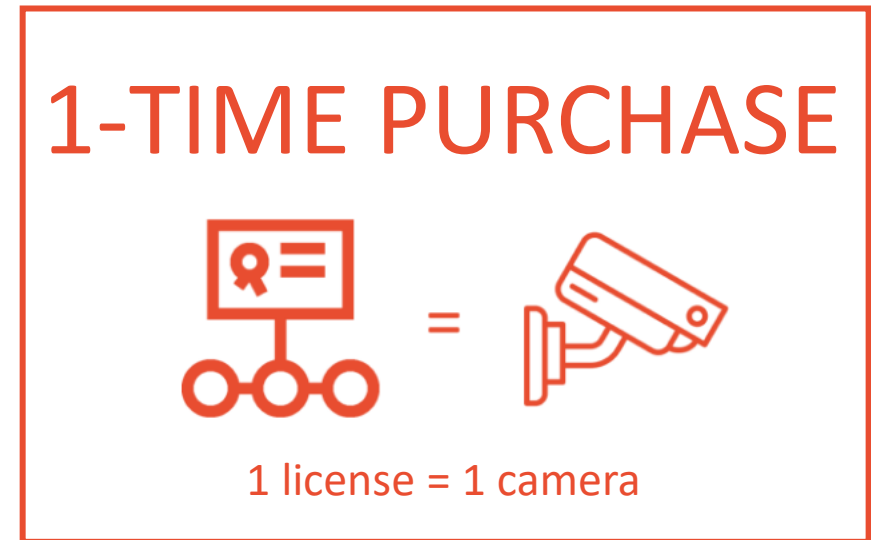
Video stream formats supported by mobile clients: MJPEG, MPEG-4, H.264, H.265 and any versions of operating systems.



# ADVANTAGES based on 2025

eocortex 

- ✓ Free Versions Upgrades
- ✓ Integrated < 8,000 camera brands
- ✓ Free Tech Support
- ✓ Works with Windows and Linux
- ✓ “May develop my ideas”



25 Analytics Modules    IOS and Android Apps    Reliability + Safety  
User-friendly Interface    Free SDK and API tools

# COMPATIBILITY

eocortex 

AVIGILON



Brickcom



D-Link®



HIKVISION

Honeywell



Panasonic

PELCO

SONY

uniview



And other  
100+  
manufacturers

# COMPANIES THAT TRUST EOCORTEX



Mercedes-Benz



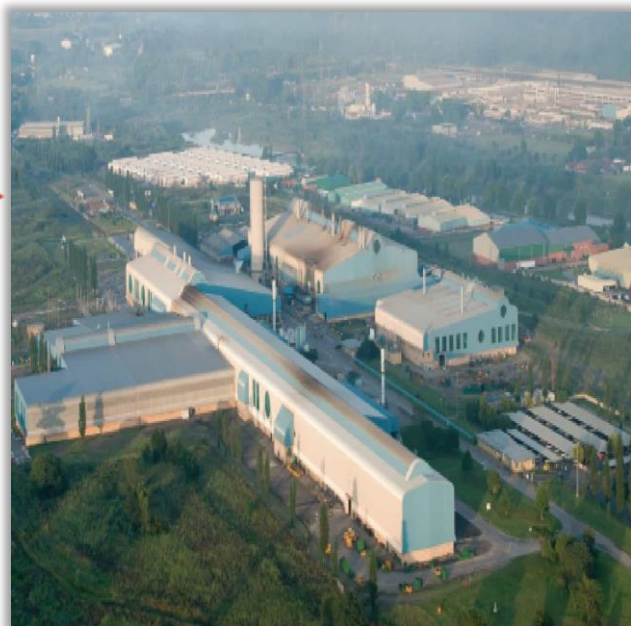


### Hulamin aluminium factory ▶

📍 South Africa

Industry  
Manufacturing

Number of cameras  
**1000**



### Unipharma ▶

📍 Slovakia

Industry  
Manufacturing

Number of cameras  
**242**



### Hugo Boss Factory ▶

📍 Turkey

Industry

Number of cameras  
**200**



### John Smeaton College ▶

📍 United Kingdom, Leeds

Industry  
Education facilities

Number of cameras  
**87**





## Central Taiwan Science Park

📍 Taichung, Taiwan

Industry  
Manufacturing

Number of cameras  
**98**



## Wish More Hotel

📍 Turkey, Istanbul

Industry  
Hotels

Number of cameras  
**150**



## Worldmark Delhi Aerocity

📍 India, Delhi

Industry  
Retail

Number of cameras  
**128**



## Termo Teknik

📍 Turkey

Industry  
Manufacturing

Number of cameras  
**256**





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Reduce your expenses. Increase security.  
Evolution of the Configurator and Client.

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camera configuration

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