CCTV Xeoma in banks

ANALYTICS, SECURITY, ARTIFICIAL INTELLIGENCE

USE OF VIDEO SURVEILLANCE IN BANKS

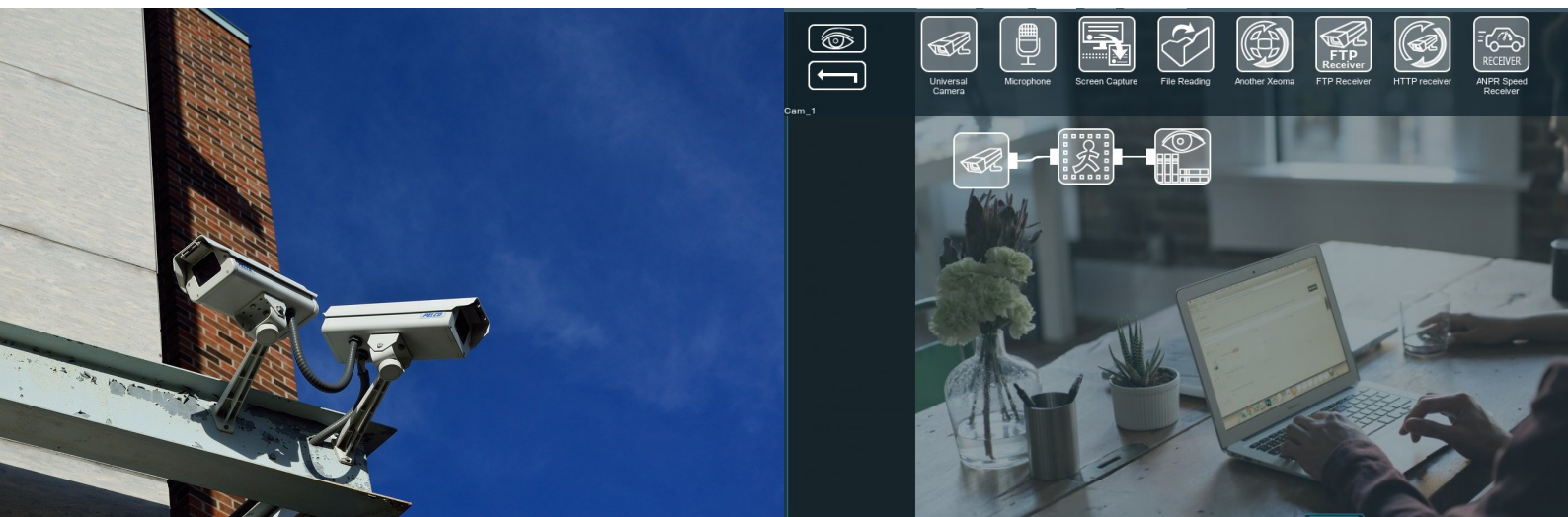## SAFETY, OPTIMIZATION, IMPROVEMENT

RELENTLESS, VIGILANT, WITHOUT A BREAK

Video surveillance systems can operate 24/7 to eliminate the risk of missing out on the most important details. The vigilant, all-seeing eye of the cameras can work impartially, without interruption, without distraction or fatigue. Modern video surveillance is not only video security in terms of protection against robbery and intrusion. This is also Artificial Intelligence capable of analyzing images from cameras.

MORE THAN JUST CAMERAS

With the help of Xeoma video surveillance, you can solve many tasks in bank's lobby and waiting area, as well as in offices or check stand:
-access control of vehicles, employees to the territory and areas with limited access (including double authentication);
- help with working process statistics and control employees' activity;
-ensuring the safety of employees, clients, facility, and equipment (ATMs);
-reducing the level of robbery and theft;
-prediction of conflicts or threats, and aiding in the elimination of them
-collection of video evidence for incident investigation;
-and many more.

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SECURITY AND VIDEO ANALYTICS

SECURITY SOLUTION FOR ATM'S

Automated teller machines (ATMs) are usually left out of constant security watch over, which may lead to their damage or become a place of money fraud.

Luckily, video surveillance systems can be installed inside an ATM to capture both actions of a person on screen and the person too. This way the bank will have video evidence for investigation or quick detection of a potential threat.

CUSTOMER SERVICE MONITORING

Work with clients is an essential part of every bank's everyday work.
The following modules will improve the efficiency of the banking department that works with customers.

"Visitors counter" tool provides the information on the number of customers who have entered the bank. The data can be used to estimate the bank's effectiveness.

"Crowd Detector" feature will detect queues in operating room as well as at the ATM to help you avoid losing clients.

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SECURITY AND VIDEO ANALYTICS

ACCESS CONTROL AND COMPLIANCE WITH SAFETY REGULATIONS

Video surveillance goes a long way to provide security and safety to customers as well as employees. In Xeoma security goes along with optimization and processes automation.

The **"Face ID"** double authentication. Each bank has authorized-personnel-only areas or offices access to which is limited to a number of staff members. Video surveillance systems can be used there as biometrics access that compares the face in camera's sight with the face from the pass that is used to open the door.

The **face recognition and license plate recognition** modules, based on artificial intelligence, can be successfully used for access control. Automation of passage for people and vehicles from the "white" list, guards notification upon detection of an unknown person or even criminal wanted by the police.

"Smoke Detector" in Xeoma video surveillance systems has the "Fire detection" add-on powered by artificial intelligence so it can detect either smoke or fire in an area – a waiting hall or offices

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SECURITY AND VIDEO ANALYTICS

ANTICIPATE AND PREVENT

Prevention of a disaster is much more economical than dealing with consequences.

Camera systems with Xeoma can spot suspicious behavior or signs of potential danger and urge you to take actions before a conflict unfolds into a disaster.

"Slip and Fall Detector" can notice if a customer has fainted or felt dizzy and fallen down – even in a room full of people - quickly notifying the appointed staff member or dispatching help.

"Sound recognition" will notify authorized personnel or call the police if it recognizes screams or gunshots. Alternatively, with a simpler sound detector, the system can react to high levels of sound volume that can be a signal of a stressful environment and tension.

Xeoma's **"Detector of abandoned objects"** can spot a bag or a box (or any other object) that was left unattended in the waiting hall or at the entrance and can be a potential source of danger.

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SECURITY AND VIDEO ANALYTICS

PREMISES SECURITY

Like many other organizations, banks quite frequently own the territory surrounding the bank's building. These premises are used for loading and unloading cash-in-transit trucks, and for day-to-day operations like parking of employees' and customers' vehicles.

For high-security operations, the AI-based **license plates recognition** can be used on everyday basis. The LPR can see an incoming vehicle, recognize its license plate, and compare it to numbers from a white list (for example, list of license plates belonging to employees or authorized service vehicles) or a black list.

A license plate recognition system can work in tandem with **external traffic control equipment** like parking ticket machines or automated driveway barrier that lifts the gate upon seeing a vehicle from a white list.

Coming soon: **Parking spots module** will send automated notifications when the video surveillance system detects changing the selected spot's status from "empty" to "occupied" and in reverse.

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SECURITY AND VIDEO ANALYTICS

STAFF ACTIVITY AND MOOD

Staff activity can also be monitored using Xeoma's intelligent analysis of the video stream from cameras:

The **Loitering detector** can be used for the analysis of work productivity: it can help estimate how much time is spent by staff members outside of their workplaces.

With the help of the **"Face Detector (Emotions)"** module, CCTV cameras can automatically keep statistics of the emotional mood in the offices.

FIGHT AGAINST EPIDEMIC

Xeoma has modules that can be used to comply with security measures in the fight against COVID-19:

mask detector,

social distance detector,

high temperature detection

visitors counter

calculation of the stay time

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SECURITY AND VIDEO ANALYTICS

TASKS THAT CAN BE SOLVED

With the help of Xeoma video surveillance in banks can solve many problems:

- **Security** of the facility and adjacent territory: prevention of intrusion, theft, robbery, emergency or accidents;
- Process **optimization** and quality control of customer service;
- The ability to **remotely monitor** bank processes at any time and anywhere in the world;
- The presence of an archive of video and audio recordings from cameras for **investigations and reports;**
- Exclusion of any illegal actions by employees, visitors, clients, passers-by, etc.

XEOMA'S ADVANTAGES:

- High accuracy level and fast response

- Doesn't require any special equipment. Just your regular camera

- Affordable prices

- Ease of use. Very flexible and simple settings

- Everything is done on your computer, there is no need to connect to cloud servers.

Also available in Xeoma

EMOTIONS DETECTOR

The mood of employees in bank offices is often ignored, despite the fact that this is the basis of effective work.

With the help of the "Face Detector (Emotions)" module, CCTV cameras can automatically keep statistics of the emotional mood in the offices.

REMOTE ACCESS

The capabilities of remote access and access rights division with multi-level privileges will allow the system work autonomously, without supervision or the need to spend time on periodic checks.

VARIETY OF REACTIONS AND NOTIFICATIONS

Various reactions (sending an email, sound alarm (siren), push notifications to mobile devices, sending a command or a script, custom reactions) to detected events or alarms (including when sabotage is detected) will quickly notify the responsible persons.

And other AI-based functions in Xeoma

FEVER DETECTION, SOCIAL DISTANCE DETECTOR, OBJECT AND SOUND TYPES RECOGNITION

FEVER DETECTION

With the "Color Recognition" module, Xeoma can be used with thermal cameras to identify employees with signs of coronavirus infection.

SOCIAL DISTANCE DETECTOR

A new feature in Xeoma's Crowd Detector can detect the violation of the distance between people you set.

OBJECT RECOGNITION

Allows you to automatically find objects in the camera frame and determine their type, as well as react to the selected type of objects.

SOUND EVENTS DETECTOR

Defines the type of sound (shot, scream, car alarm) and triggers a reaction when the selected sound is detected.

See more at www.xeoma.com

Do you need something else? Possibilities can be added upon request:
SUPPORT@FELENASOFT.COM