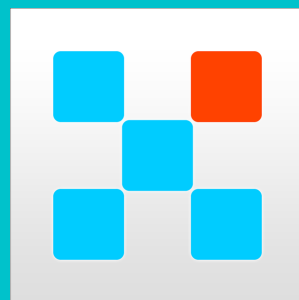


CCTV Xeoma in HoReCa

SMART VIDEO SURVEILLANCE
IN HOTEL, RESTAURANT, CAFE



DESCRIPTION

OPPORTUNITIES

CONTACTS

USE OF VIDEO SURVEILLANCE IN THE HORECA INDUSTRY

SAFETY, OPTIMIZATION, IMPROVEMENT

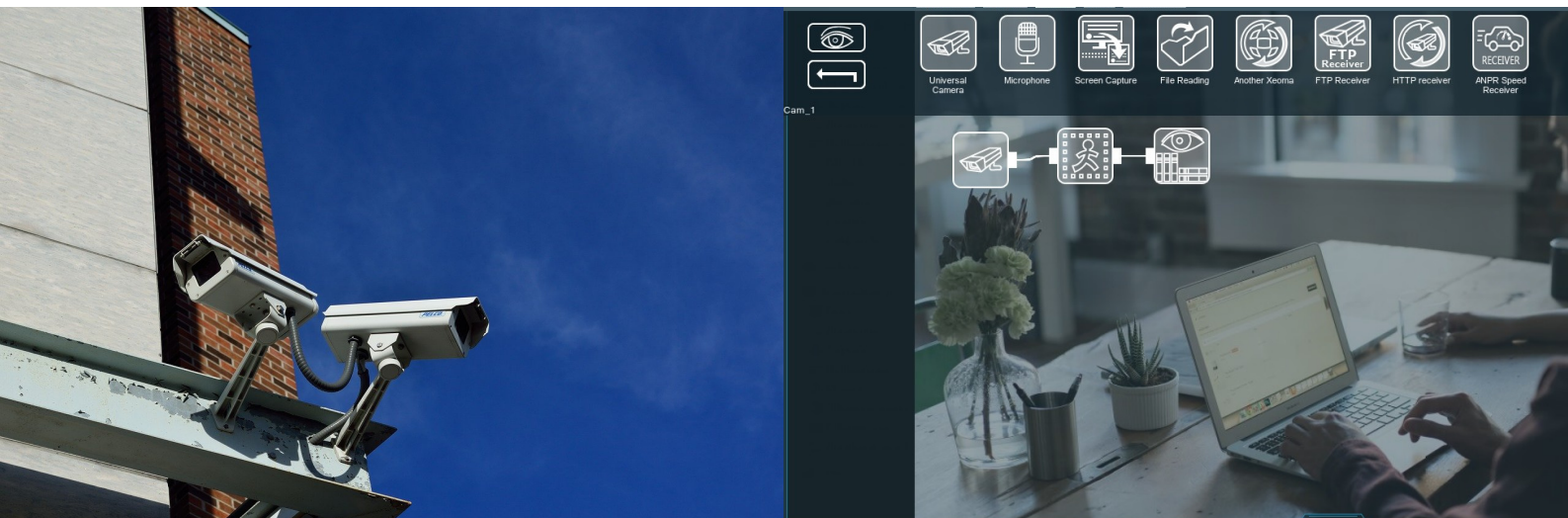
RELENTLESS, VIGILANT, WITHOUT A BREAK

Whether in hotels, restaurants or café, 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

Xeoma video surveillance can help solve many tasks in HoReCa establishments:

- Proactive prevention of offences (burglary, break-in, defacement, etc.) by staff or visitors;
 - Safety of employees, customers, and property by deterring potential violations;
 - Real-time reaction to threats or offences (sending alarms, notifications, calling the police);
 - Collection of video evidence of incidents for internal investigation, forensic uses;
 - Proactive video analytics that helps gather statistics or recognize objects, patterns, behavior, etc.
- and many more.



CCTV IN HORECA WITH XEOMA

PART 1. HOTELS



DAMAGE COMPENSATION, SAFETY, IMPROVEMENT OF OPERATIONS AND SERVICE

A hotel is an ecosystem where safety is closely intertwined with modern-day optimization techniques, and where contemporary video surveillance solutions can help with dozens of tasks.

For example, Xeoma software has solutions for **paid parking, control of access** to the premises, classification of vehicles that enter the gated territory, **intrusion detection**, and many more.

Inside a hall, there are new challenges like collection of **audio and video** footage with **proactive detection of suspicious behavior**, abandoned pieces of luggage, signs of cancellation fraud, trespassing on restricted access zones, etc.

Xeoma VMS offers utmost flexibility in regard to off-site and on-site footage storage, enhanced usability of live monitoring and remote access.

There are also tools in Xeoma that detect smoke and fire, and help comply with safety regulations during a virus outbreak. Besides, **Emotion Recognition** will help get an insight in customers' satisfaction with the service.

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PART 2. RESTAURANTS



ALL ABOUT FOOD

Restaurants are the second syllable of the HoReCa term, which speaks a lot about its place in the whole industry. Restaurant surveillance tasks are not that distant from a hotel's, yet there are niche-specific differences.

Food is the purpose of a restaurant's existence, so restaurant video surveillance is focused on it most of the time. **Live streaming** from a kitchen is often an element of customer attraction and trust building. A contemporary video surveillance system can help **negate product theft** issues as well - not just by keeping 24/7 footage for post-investigation, but by proactive detection of prohibited or suspicious behavior (**mood recognition**), odd scale numbers, and control of access to prohibited areas in off hours.

Smoke and fire is something that should be only in restaurant kitchen. Xeoma software has tools to detect ignition and help prevent a tragedy.

Paid parking solutions, powerful access control and intrusion prevention, unbiased information on **customer service** level, convenient live monitoring and remote access - are just a few of the tools to help restaurants increase profits and cut losses.

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PART 3. CAFE



CUT LOSSES, INCREASE PROFITS, MANAGE SERVICE - AFFORDABLY

Probably the most numerous “representative” of the HoReCa industry are various café and cafeteria establishments. A smaller level of luxury yet wider assortment of meals and beverages make cafés appeal to the broadest audience.

It has been said a lot about the assuaging effect of cameras, whose solely presence is able to deter crimes.

Xeoma is a modern-day video security tool complemented with mind-blowing features like recognition of returning customers or **queue detection** that even a small business can afford.

Café video surveillance and tools like **Emotion Recognition** can also provide unbiased answers to the management regarding the customer service level. The footage is also a great tool to reduce the number of lawsuits and various claims. Besides, like any video surveillance in the HoReCa, it also ensures **protection from burglaries, damages, trespassing and theft** with a simple video security complex.

CCTV IN HORECA WITH XEOMA

TOOLS FOR SECURITY



MOTION DETECTOR

Smart Motion Detector will automatically detect unwanted movement in a place of business in after hours, or during the day time if particular territories should be free of people and motion. Anti-false-alarm mechanisms prevent reaction to objects and events that you're not interested in.



SOUND EVENT DETECTOR

Sound Event Detector will be triggered if there is a loud sound (sound of breaking glass or security alarm), which makes it a great tool to detect break-ins in areas that are not covered with camera vision.



NOTIFICATIONS AND REACTIONS

Various notifications ("Sending Email", "SMS Sending" or even custom alarms) will keep everyone who needs to know updated on alarming or custom events.



SMOKE AND FIRE ALARMS

Computer vision-powered smoke and fire detection of Xeoma can be an addition to traditional smoke alarms triggered by CO sensors with the bonus of visual evidence of the suspicious situation for review before the alarm is triggered.



CCTV IN HORECA WITH XEOMA

SECURITY IN AND AROUND



PREMISES SECURITY

Like many other organizations, HoReCa establishments quite frequently start with the territory surrounding them. These premises are used for unloading delivery trucks, and for day-to-day operations like parking of employees' and customers' vehicles.

Xeoma's AI-based LPR (**license plates recognition**) can see an incoming vehicle, recognize its license plate, and compare it to numbers from a pass list (for example, list of license plates belonging to employees or authorized service vehicles) or a block list.



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

INDOOR SECURITY

From a hotel lobby to the summer terrace, video surveillance is there to make sure that both employees and customers are safe.

CCTV IN HORECA WITH XEOMA

TOOLS FOR WORKING WITH CUSTOMERS



Live streaming with the “**Streaming to YouTube**” module will help broadcast the CCTV camera image online on your website or YouTube channel. With a tool like live streaming, you can keep your company’s reputation high with this level of transparency.

CUSTOMER SERVICE MONITORING



Crowd Detector can automatically count people in camera’s field of view and recognize gatherings of people. One of its possible uses is to spot a queue at the cafeteria checkout that is long enough to start irritating customers to rapidly engage more checkouts or notify management.



Emotion Recognition module can recognize emotions of your customers, so this way you will have information if they are satisfied with the customer service and improve customer service quality. Also helps get the general mood in the work collective, or detect a person with aggressive predisposition of spirit that can turn into a menace, and warn security service to keep an eye on them.

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MUCH MORE THAN SECURITY

AUTOMATION + IMPROVEMENT

Xeoma possesses tools for efficient **visitors counting**, so you can quickly get information about the number of clients who have visited the business. The statistics can be analyzed to make forecasts and plans to improve performance, assortment of goods, marketing campaigns, etc.

Face recognition is an AI-based module that can recognize faces of employees or customers. This module can be used to automatically open doors or gates or notify authorized personnel if a **VIP customer** is detected.

Object recognition is the multi-purpose module that can tell apart people, animals, drones, birds, cars. It can detect particular object types in and around the premises. Other types of objects can be added that will help you automate processes (for example, it could compare what the hotel room must look like after cleaning is done, or if chefs are wearing the required uniform, etc.).

License plate recognition (ANPR) reads license plates in camera view, and is a great automated access control tool. Can be a part of a paid parking solution, especially when combined with features like “Parking Spots” and parking ticket machines.



CCTV IN HORECA WITH XEOMA

APPLICATION SCENARIOS AND ADVANTAGES



TASKS THAT CAN BE SOLVED

Xeoma video surveillance in the HoReCa industry can solve many problems:

- Safer environment that encourages more orders and more effective work;
 - Proactive video analytics that helps catch early signs of an alarming event;
 - Control of visitors' satisfaction level and the quality of staff's work;
 - Analysis of customers' attention direction;
 - Automation of mundane tasks like access control;
 - Aid in compliance with health and safety regulations;
 - Finding weaknesses to increase work productivity;
 - Creation of promo or tutorial videos from live streams.
- and many more!

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

DEMOGRAPHICS, REMOTE ACCESS, REBRANDING, REACTIONS AND NOTIFICATIONS

DEMOGRAPHICS

"Age Recognizer" uses neural networking technologies to effectively, quickly and easily display the most possible age of a person or persons in the camera's field of view.

"Gender Recognizer" is an AI-based module in Xeoma that can detect a person's gender in real-time.

REMOTE ACCESS

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

FREE REBRANDING

Use our free customization utility and create your own unique video surveillance software.

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 will quickly notify the responsible persons.



And other AI-based functions in Xeoma

FEVER AND SABOTAGE DETECTION, PRIVACY MASKING, INTEGRATION WITH CASH REGISTERS AND EXTERNAL SYSTEMS

FEVER DETECTION

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

PRIVACY MASKING

Privacy Masking module allows to dynamically blur areas in view of camera that are not allowed to be recorded.

SABOTAGE DETECTOR

"Problems Detector" module provides automatic notifications of the form of choice when camera are being tampered with or when system's "health" is involved.

INTEGRATION WITH POS, DEVICES AND SYSTEMS

Besides the possibility to integrate Xeoma recordings with data from a cash register, Xeoma has various tools for integration with external systems and devices: **Camera-Embedded Detector** (use of cameras' built-in detectors or other features); **GPIO module** (use of logical pins in ARM-based devices). **'Modbus' controllers** (traffic lights equipment, smart homes), **thermal cameras**, etc.



A brick wall is covered with a grid of security cameras. A woman in a brown jacket and glasses stands in the foreground, looking up at the cameras. A dark door is visible on the right side of the wall.

See more at www.xeoma.com

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