

Warehouse video surveillance

XEOMA PRESENTS: HOW TO PROTECT YOUR GOODS AND ORGANIZE THE WORK PROCESS



[DESCRIPTION](#)

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WAREHOUSE SURVEILLANCE: MORE THAN JUST RECORDING

SECURITY, OPTIMIZATION, GROWTH

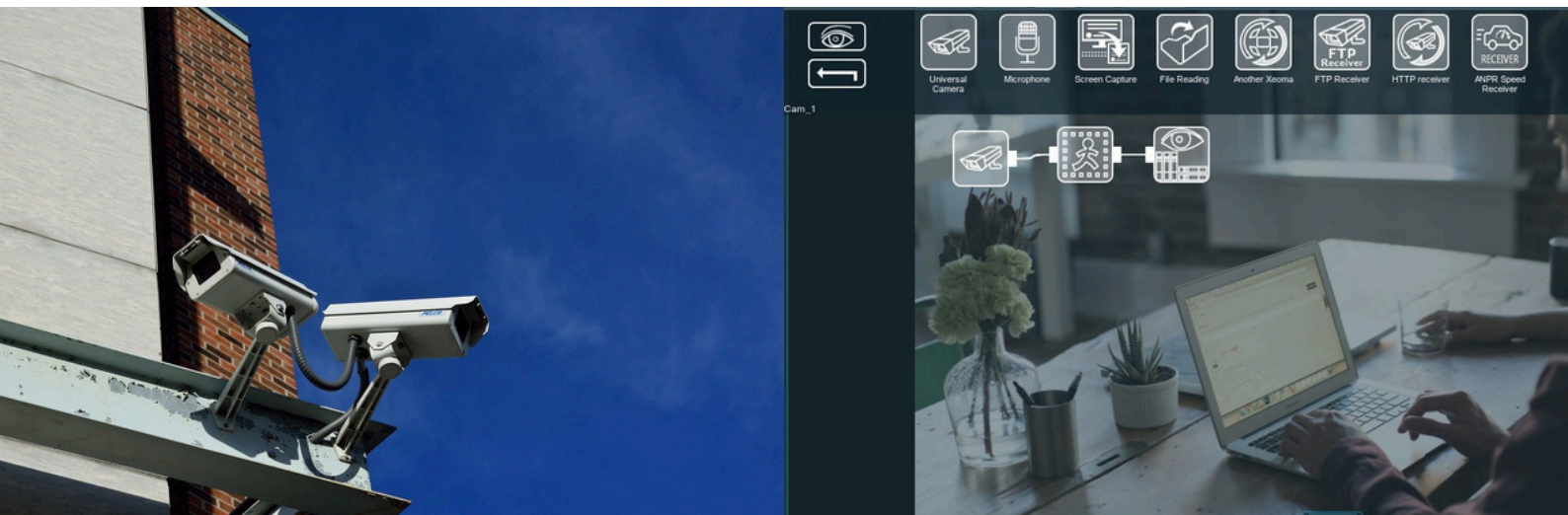
CONTINUOUS, METICULOUS, ROUND-THE-CLOCK

Video surveillance systems can work day and night, never missing a single detail. Forever tireless and all-seeing, cameras can function without breaks or distractions while remaining impartial. Modern video surveillance is not just about online preview and recording of your camera feed. It's also about video analytics and AI that can analyze camera image.

MORE THAN SIMPLE CAMERAS

Xeoma video surveillance software offers a solution to a plethora of tasks from warehouses and similar premises:

- Twenty-four-seven, real-time access to camera image for event evaluation and control;
- Recording and storage of video evidence in case of incidents;
- Real-time reaction to adverse events (alarm activation, notification sending, police or other public service call);
- Prevention of and protection against crime (burglary, property damage, vandalism, etc.) involving both staff and clients;
- Video analytics for statistical analysis, object detection, and timely alarm;
- and many more!



WAREHOUSE VIDEO SURVEILLANCE: TASKS

SECURITY, OPTIMIZATION, GROWTH

SOLUTIONS FOR SAFETY AND ANALYTICS

Warehouses, like other product-oriented businesses, have tasks that involve safety measures, reduction of goods loss and damage, cost saving, prevention of vandalism and theft, and gathering data for analysis and increase in profits.

Warehouse video surveillance can help with the tasks including, but not limited to:

WAREHOUSE

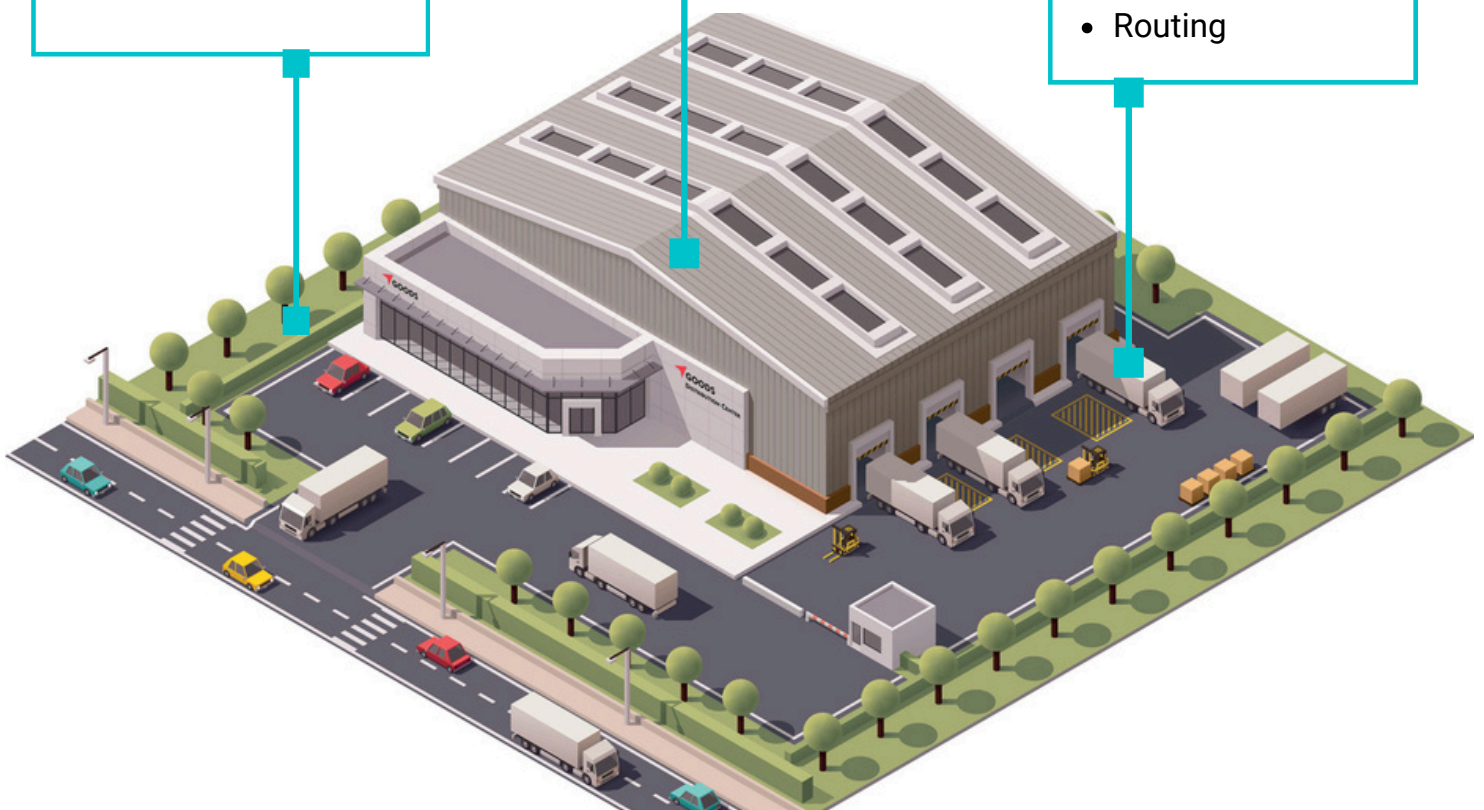
- Events recording
- Access to cameras
- Intrusion detection
- Staff productivity control
- Video analytics

ADJACENT TERRITORY

- Access Control:
- Recognition of faces and license plates

LOGISTICS

- Transport video surveillance
- Routing

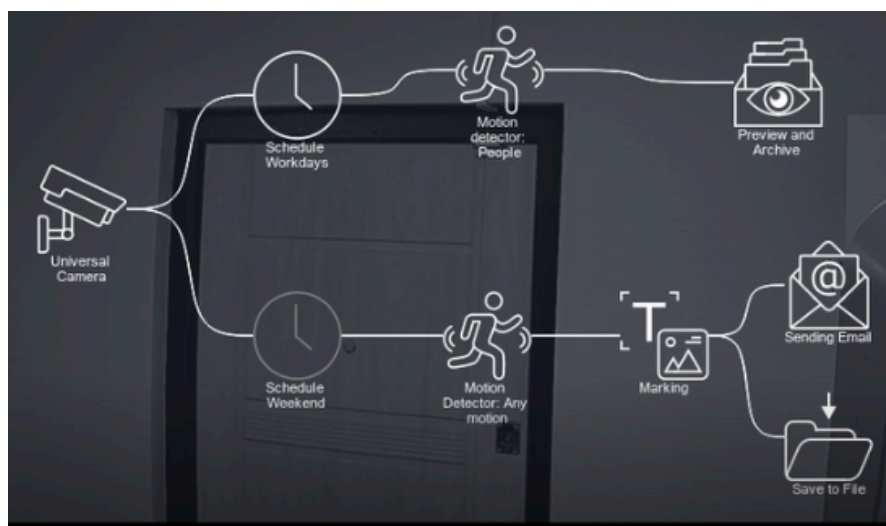


ABOUT XEOMA SOFTWARE

Inspired by a children's construction set, Xeoma allows you to create your dream video surveillance system by combining blocks of various technological opportunities.

Experiment and enjoy your own video surveillance.

- Supports thousands of camera models; ONVIF, MJPEG, H.264, H.265, Fisheye, WiFi, PTZ, audio, etc.
- Works on Windows, Linux, Linux/ARM (Raspberry), Mac OS X, iOS and Android;
- Has an intuitive, comprehensible interface – very easy and effort-free to work with!
- Offers AI-based functions (recognition of faces, license plates, emotions, colors, objects, sounds, and many other things).



WAREHOUSE VIDEO SURVEILLANCE WITH XEOMA

WHY YOU SHOULD CHOOSE XEOMA



ADVANTAGES OF XEOMA:

- Support of an unlimited number of cameras;
- Support of distributed server systems;
- No specialized equipment is required. Your regular camera would be more than enough;
- Reasonable prices;
- Ease of use. Very simple yet flexible settings;
- No need to connect to cloud servers. Xeoma only requires your computer to work;
- Stable and reliable high-quality software performance;
- Developed by an international company using exclusively internal-sourced algorithms;
- Support of additional developments for your projects.

WAREHOUSE VIDEO SURVEILLANCE WITH XEOMA

NO RESOURCE-HEAVY CAMERAS REQUIRED

SUPPORT OF 99% CAMERAS

Xeoma is a complex, all-in-one solution with support of 99% cameras on the market. You can simultaneously add cameras of different brands and models without having to pay extra for specialized camera models equipped with AI analytics.

If you do use cameras that utilize their own video analytics, Xeoma offers the “Camera-Embedded Detector” module that can receive your camera's detection signals and integrate them to the program.

Xeoma can work with any camera resolution. Similarly, Xeoma's video analytics also supports any kind of resolution your cameras might have.

Xeoma can be used to work with sound, recording or reacting to increase or decrease in the preset volume level of background sounds.

FelenaSoft Company, the developer of Xeoma, used to distribute Dahua and HikVision cameras and provide vast coverage for these brands.



WAREHOUSE SURVEILLANCE: INSIDE AND AROUND

TASKS AND SOLUTIONS

LOSS REDUCTION: CRIMINAL INTRUSION

The “classics” of video surveillance usage in warehouses and similar premises is protection against any form of goods loss.

First and foremost, it pertains to **invasion by strangers** (e.g., during non-working hours) or non-permitted entry into restricted areas by staff.

This kind of task can be managed with the help of various Xeoma features: **“Motion Detector”**, **“Face Recognition”**, **“ANPR”**, **“Sound Events Detector”** and many others. The choice depends on what signs you deem the most effective for intrusion detection on your territory.



WAREHOUSE VIDEO SURVEILLANCE: THE BUILDING

TASKS AND SOLUTIONS

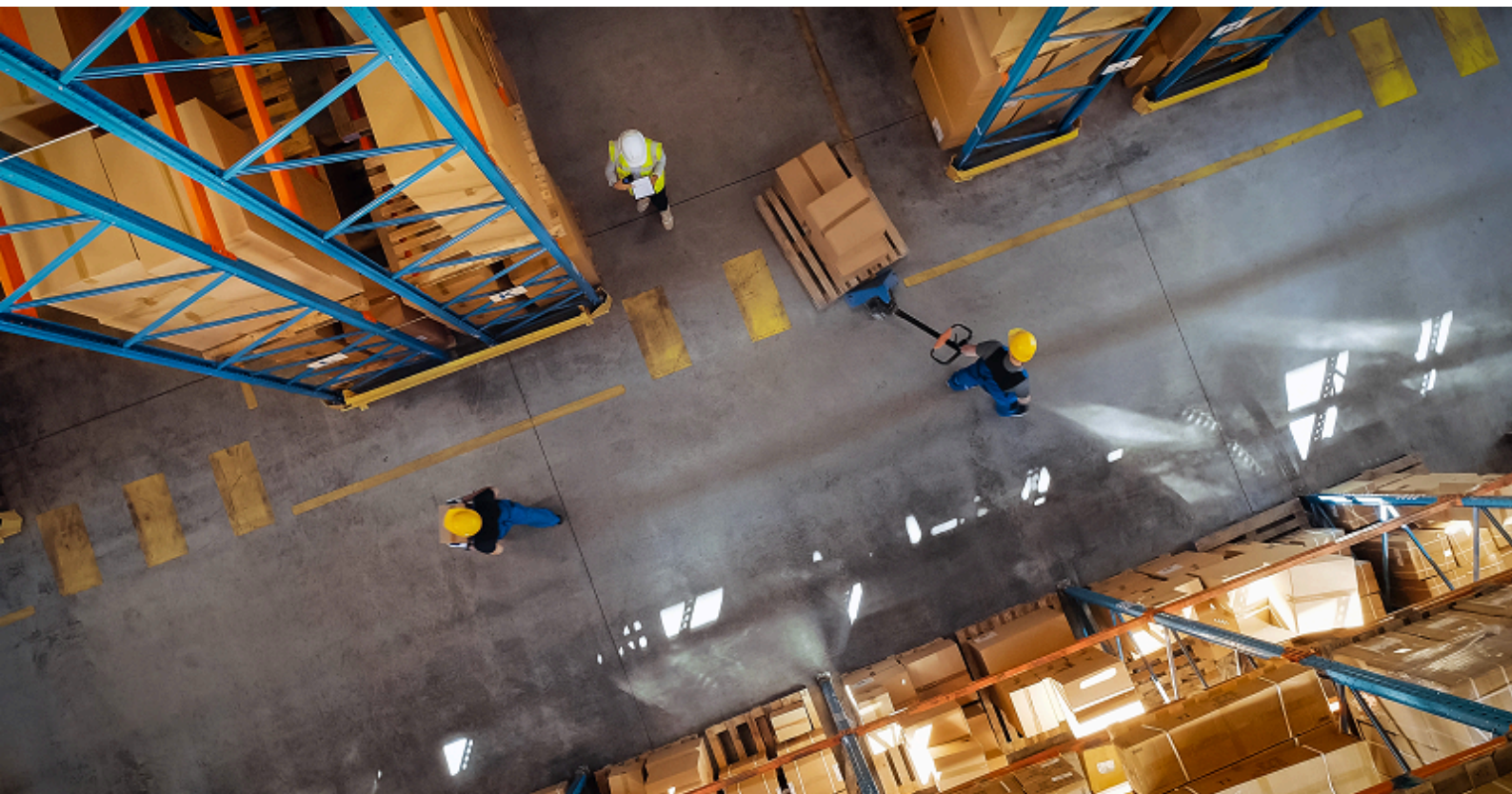
LOSS REDUCTION: THREAT FROM WITHIN

Another kind of loss is related to internal processes of the business: theft, intentional damage to goods and other offenses usually committed by people with specialized access – in other words, warehouse staff.

Simply having surveillance cameras on your territory will already be of assistance in this case – they serve as a good warning for potential criminals. However, the list of protective measures doesn't end here: implementing modern AI technologies in your video surveillance setup will help train your system to detect suspicious events based on the signs most relevant for your situation.

To give you a few examples:

“Detector of abandoned objects” can react to lost objects based on video feed. **“Emotion Recognition”** can react once an ill-humored person capable of damaging the goods appears in your camera's view. Being a flexible solution with more than **100 different features**, Xeoma offers numerous combinations of these functions for achieving various goals.



WAREHOUSE VIDEO SURVEILLANCE: THE BUILDING

TASKS AND SOLUTIONS

LOSS REDUCTION: FACTORS BEYOND HUMAN CONTROL

A warehouse can suffer from the destructive force of natural hazards and other emergencies. For example, a fire can be truly devastating to a warehouse business: not only does it put the staff's health at risk and requires grueling legal action due to goods damage and loss, it also means the business might indefinitely go idle and become unable to generate profits. For these reasons, ample caution won't hurt – especially since it's practically cost-free and can be achieved with video surveillance, no additional equipment required.

Xeoma's “**Smoke Detector**” and its special feature, “Fire Detection” (both included in **Xeoma Pro**), will be a fine addition to traditional smoke sensors, helping your cameras spot a potential fire source. They can momentarily notify your surveillance operator who will be able to locate the cause of alarm.



WAREHOUSE VIDEO SURVEILLANCE: THE BUILDING

TASKS AND SOLUTIONS

LOSS REDUCTION: STAFF CONTROL

When it comes to big enterprises with vast numbers of employees, it can be difficult to oversee the quality of workflow execution. This issue sometimes applies to warehouses, as well.

The top-priority task here – organizing compliance to occupational health and safety measures – is easily manageable with computer vision. For instance, “Detector of Construction Site Safety” can be used on other premises beside construction sites: it will be helpful in determining whether someone follows safety protocols.

Video surveillance also simplifies monitoring staff's productivity: “Loitering Detector” can recognize when an employee stands around, while the **“Detect only the absence of moving”** option from the intelligent motion detector will react to a stoppage in production. “Crowd Detector” can be of use when an area contains more people than allowed.



WAREHOUSE VIDEO SURVEILLANCE: ACCESS CONTROL

SAFETY AND VIDEO ANALYTICS

RECOGNITION OF FACES AND LICENSE PLATES

Comparably to other enterprises, a warehouse is not limited to goods-storing areas and often includes adjacent territories used for item loading and discharging, as well as other day-to-day processes, such as parking of staff's and clients' cars.

Video surveillance with Xeoma isn't limited to recording such events. It also offers various AI-based features for recognizing and logging people and transport from your whitelist – for example, to ensure fully automated entrance. Double authentication algorithms support both pass cards and QR codes, and Xeoma's assorted reaction modules will send a signal if trespassing on restricted property is detected.

You can deploy Xeoma for car recognition in combination with external systems and equipment for access control, such as parking ticket dispensers, automated gates and barriers, or the “Parking Spots” module for notifications when a car spot's status changes.



WAREHOUSE VIDEO SURVEILLANCE: LOGISTICS

TASKS AND SOLUTIONS



SAFETY OF GOODS STORAGE AND TRANSPORTATION

Some wares require to be stored in specific conditions (such as temperature or humidity) to remain in top shape for a longer time.

Xeoma's “Text Recognition” can scan the readings of sensors and counter devices used to measure such conditions as temperature, humidity, gas content, etc. and trigger appropriate reactions. The advantage of this system is that, when the reaction is triggered, it is possible to view your camera image to instantly assess the cause of possible discrepancies.

Goods transportation and logistics are vital to a warehouse's workflow, as they enable most of its processes. Xeoma's varied features offer plenty of solutions for this sector as well.

On-board video surveillance will transmit video feed straight from any vehicle. GPS data can be overlaid directly onto the camera image.

The “Parking Spots” module will help with routing of incoming transport and informing you of the status of discharge parking slots.

Recognition of license plates and fleet numbers of various vehicles (e.g., freight wagons), Detection of car speed and many other Xeoma features will be of great use when it comes to solving diverse logistic tasks.

WAREHOUSE VIDEO SURVEILLANCE: MORE OPTIONS

TOOLS FOR SECURITY AND OPTIMIZATION



QR CODE READING

This specialized Xeoma module finds and reads QR codes within camera image. It can be used to decipher the code's data or react to a specific kind of code.



PTZ TRACKING AND TOURS

Xeoma offers various options for PTZ camera control that allow you to pan your camera image and zoom it in and out. These options also include automated object tracking and configuration of preset PTZ tours.



REACTIONS AND NOTIFICATIONS

Various notifications (email and SMS sending, mobile PUSH notifications and your own configurable alarms) will keep your employees updated on possible emergencies and other incidents.



CONVEYOR BELT MONITORING

Xeoma's intelligent features can be used for statistical analysis of business production. The “Cross-Line Detector” will assist you in counting the products distributed on a moving conveyor belt.



Other Xeoma features

RECOGNITION OF AGE AND GENDER, REMOTE ACCESS,
FREE REBRANDING, BACKUP SERVERS

REMOTE ACCESS

Remote access options and multi-level user permissions editing will make it possible for the system to operate autonomously, without supervision or the need to spend time on occasional checkups.

FREE REBRANDING

Use our free-of-charge customization tool to create your own unique surveillance system.

FAILOVER MODE

Thanks to this option, your main server will be replaced with a standby backup server in case of failure. Once the main server is back to the working state, it will resume its previous operations.

RECOGNITION OF AGE, GENDER

“Age Recognizer” uses neural network algorithms to quickly and efficiently estimate the age of a person or people within camera frame.

“Gender Recognizer” is another AI-based Xeoma module that can determine a person's gender in real time.

Xeoma's “Eye Tracker” will show you what grabs the attention of the people in your camera's view.



More AI features in Xeoma

TEMPERATURE RECOGNITION, PRIVACY MASKING, PROBLEMS DETECTOR, POS INTEGRATION, ETC.

TEMPERATURE RECOGNITION

Xeoma's "Color Recognition" module can be used with thermal cameras to detect members of the staff that show COVID-19 symptoms.

PRIVACY MASKING

The "Privacy Masking" module will help you dynamically blur the section of camera image that might contain confidential information.

SABOTAGE DETECTOR

The main purpose of "Problems Detector" (or "Sabotage Detector") is to monitor your system health and notify you of sudden changes in your camera's image.

POS AND OTHER SYSTEMS INTEGRATION

Aside from correlating your camera's recordings with POS data, Xeoma also supports a variety of tools for integration of external systems and devices: the Camera-Embedded Detector (direct connection to your camera's detectors), the GPIO module (control of GPIO bars for single-board microPCs), the "Modbus" controllers (e.g., used in traffic lights or smart home systems), support of thermal camera data, and so on.



About us

FelenaSoft Company has been developing multimedia software since 2004. Our primary goal is to create high-quality product for our clients.

Xeoma video surveillance software has been on the market for more than 10 years. Xeoma-based projects have been implemented in big companies and private systems both, involving 142 countries of the world: Germany, Denmark, Italy, Turkey, the UK, the USA, and many others.

FelenaSoft Company offers you a long-term partnership in IT outsourcing and outstaffing for software development. You can order the development of a completely new project or request the adjustments to our software to suit your needs.



Testimonials

We greatly appreciate our partners and treasure our business relationships.



Gazprom



Garland
Computers



Greenology
Engineering



CamOn



WestWorld



Mi6



Global Foods



Home Credit Bank



Croes
Connectivity



Matrix

A brick wall with a grid of security cameras. The cameras are arranged in a 5x5 grid, with a central column of cameras that are slightly larger and more prominent. A dark door is visible on the right side of the wall. The overall scene is a security-focused environment.

Learn more on www.xeoma.com

Need something else? Request additional development:
SUPPORT@FELENASOFT.COM