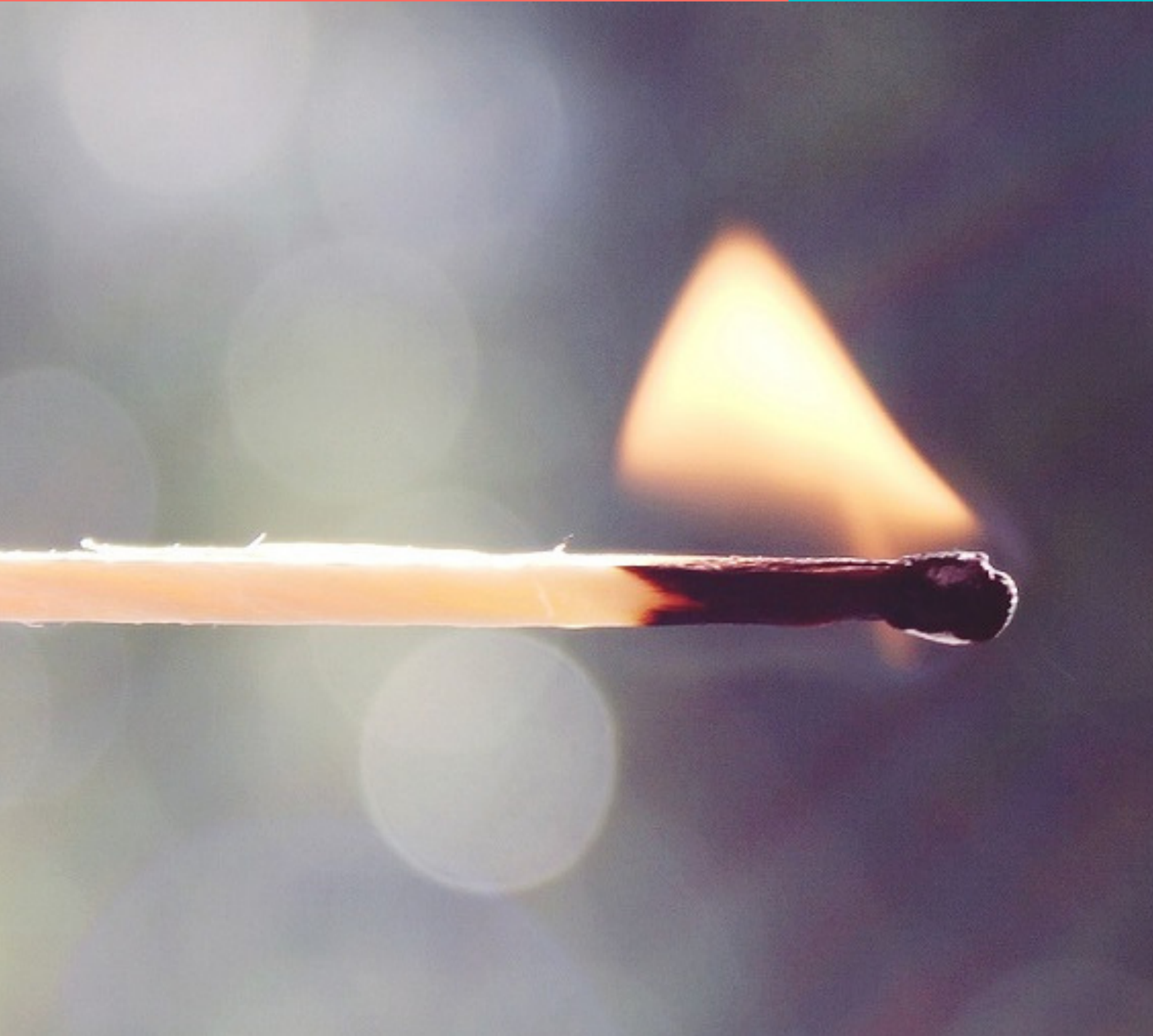


Fire and smoke detection in Xeoma video surveillance software

VIDEO ANALYTICS AND AI



[DESCRIPTION](#)

[MORE FEATURES](#)

[CONTACT US](#)

ADVANCED VIDEO ANALYTICS: FIRE AND SMOKE DETECTION

BUSINESS SAFETY, AUTOMATION, OPTIMIZATION

VIDEO SURVEILLANCE OF THE NEXT GENERATION

Modern video surveillance is not just about anti-burglar and anti-theft systems and post-incident evidence anymore. It is also an Artificial Intelligence-powered computer vision capable of *analyzing* images from cameras: in can not only *see*, but also *think* and *recognize*, aiding in increasing not only safety levels but also the businesses profits, and cutting losses.

Video surveillance cameras can operate even in the most dangerous conditions, taking away the risk of injury to employees. Moreover, the unbiased all-seeing eye of the cameras can work 24/7, without distraction, fatigue or loss of productivity.

WHEN ANY HELP COUNTS

Fire safety is the foundation of any enterprise, institution and business. This is one of those areas in which no additional safety measures will be superfluous.

Detection of smoke and fire by analyzing the cameras' video stream can be used either independently or in combination with the existing traditional hardware detection system based on the use of gas sensors.

Read on to find out more about how Xeoma helps save lives.



INTELLECTUAL FIRE AND SMOKE DETECTION

NEW OPTIONS IN VIDEO SURVEILLANCE



WORK WITH EXPLOSIVE OR FLAMMABLE SUBSTANCES

Safety of employees in enterprises that handle or store potentially dangerous substances like flammable compounds or explosive equipment has always been the highest priority and the greatest challenge.

Numerous measures are taken to increase safety levels to the maximum, but you know that no measures will be superfluous when it comes to health and environmental hazards.

The Fire Detection feature in Xeoma video cameras system analyzes the camera image 24/7, no breaks, fatigue or distraction, which makes it an excellent addition to the security system for a small price in the industrial sphere.

Perfect for gas stations, atomic power stations, various plants, storages of gasoline and other flammable liquids etc.



INTELLECTUAL FIRE AND SMOKE DETECTION

NEW OPTIONS IN VIDEO SURVEILLANCE



SAFETY AT HOME (PRIVATE USE)

There are potential sources of ignition in almost every home. They can be stationary (such as a fireplace or gas stove) or mobile (such as candles, garlands, heaters, and other electrical appliances). With proper operation emergencies are not supposed to arise with them – but let's admit it: people make mistakes. Mistakes like placing burning candles next to an open window with a wind-swaying curtain, or putting a wet towel over a heater to dry it up, and forgetting about it. Let alone unforeseen faults in wiring, gas pipes, that truly cannot be predicted or helped.



In any of the cases, the automatic fire detector of Xeoma will quickly spot fire and, used in conjunction with smart home systems, will signal them to start extinguishing operation or call a fire brigade. Alternatively, it can notify you so that you decide on further actions.



INTELLECTUAL FIRE AND SMOKE DETECTION

NEW OPTIONS IN VIDEO SURVEILLANCE



BUSINESS AND MUNICIPAL ORGANIZATIONS (SCHOOLS, HOSPITALS, ETC.)

Fire prevention and fighting measures are a necessary condition for the operation of any enterprise or business. Inadequate or ineffective anti-fire measures or other security breaches can lead to fines, a ban on business, or in the worst case – to a true disaster.

Xeoma's advantage is that it is a multi-purpose solution: the program can be used by any organization in different ways because Fire Detector can be used for improving security – along with over 100 other video analytics capabilities.

Perfect for shopping malls, schools, restaurants, hospitals, factories, parking spaces, storage businesses, etc.



INTELLECTUAL FIRE AND SMOKE DETECTION

NEW OPTIONS IN VIDEO SURVEILLANCE



OPEN SPACES, SECURITY OF VAST STATE TERRITORIES

Skeptics might say that you can't miss a wildfire because it's huge. But that's only because we see a forest fire when it has already reached catastrophic proportions.

Like all fires, forest fires start out small, and get into the snowball effect, growing proportionally each minute. By detecting the fire in underbrush and dry grass as quickly as possible, the costs of extinguishing will be so many times lower than eliminating a fire several miles wide.

Xeoma's "Fire detection" might be the only adequate (including the price) option for detecting fires in vast areas of nature reserves, parks, or forest belts located in the vicinity of settlements, helping you spot and eliminate the fire source while it's still possible!



INTELLECTUAL FIRE AND SMOKE DETECTION

NEW OPTIONS IN VIDEO SURVEILLANCE



SAFETY IS EASY

Automatic fire detection is a quality aid in dealing with fire emergencies.

Together with other fire-fighting measures or on its own, this feature will help to quickly detect a fire and take measures to localize the fire source, extinguish, and most importantly, timely evacuate employees, visitors or sedentary patients.

With easy setup and no need for highly specialized hardware, this AI-powered capability can be used in private and commercial environments, in hazardous areas and in everyday life!



WHY XEOMA'S SMOKE/FIRE RECOGNITION IS BETTER

- Wide choice of supported operating systems
- High accuracy
- High speed of recognition
- No special equipment required. Just your regular camera.
- Ease of use and flexibility
- Integration with other modules and features
- Affordable price

More AI-based features in Xeoma

OBJECT RECOGNITION, EMOTIONS RECOGNITION, DEMOGRAPHICS AND MORE

OBJECT RECOGNITION

The "Object recognizer" module can monitor the camera's field of view for objects of certain type: people, birds (land or sea birds), animal, vehicles (cars, trucks, motorcycles, bicycles), UAV (drones), aircrafts, boats and naval vessels, trains, etc. More types can be added at request.

DEMOGRAPHICS (AGE, GENDER) AND EMOTIONS

"Face Detector (Emotions)" can recognize 7 basic human face expressions: happiness, sadness, disgust, surprise, neutral expression, fear and anger.

"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.

CROWD DETECTOR

This module can count people's heads and detect if the number is bigger or smaller than needed (detect people crowding or queue), and cause a pre-set reaction. It can also be used for passengers count in a public transportation enclosure like subway carriage, bus, tram, train, etc.



More AI-based features in Xeoma

HELPFUL IN FIGHT AGAINST COVID-19

FEVER DETECTION

Use Xeoma's **Color Recognition** module for automated 24/7 detection of a certain level of temperature (e.g. fever) represented by a certain color.

The module can store reports on detected events, send live notifications, and do customized reactions.

VISITORS COUNTER

During the virus outbreak, safety regulations often oblige organizations to limit amount of people that can stay in a store, public place, etc. Xeoma's **visitors counter** can count how many people have entered or left an area or a place.

STAY TIME

Not only amount of visitors is often limited by safety regulations, but there are also limitations in customers' allowed stay time in a store, mall, shops, etc.

Xeoma's Face Recognition module has mechanisms to track a visitors' stay time and trigger reactions if the allowed time is exceeded.

FACE RECOGNITION

This module is meant for detection of human faces in the cameras' field of view. It can be used to detect excessive presence of people where they are not supposed to be or, in reverse, detect if there are insufficient staff.



More AI-based features in Xeoma

ALSO AVAILABLE

VEHICLE LICENSE PLATE
RECOGNITION

FACE ID - DUAL
AUTHENTICATION WITH
QR CODE OR SMART CARD

SOUND RECOGNITION

SAFETY GEAR DETECTOR

HEAT MAP

DETECTOR OF
ABANDONED OR MISSING
OBJECTS

RECOGNITION OF WORDS

SABOTAGE DETECTOR

INTRUSION DETECTOR

PRIVACY MASKING

LOITERING DETECTOR

FREE ANDROID AND
IPHONE /IPAD APPS

+ ANY FEATURES YOU
REQUEST





See more at www.xeoma.com

SUPPORT@FELENASOFT.COM

