XEOMA

VIDEO SURVEILLANCE SOFTWARE

PRESENTS

XEOMA PRO

PROFESSIONAL EDITION

	VIDEO ANALYTICS
	INTEGRATION

www.xeoma.com

XEOMA PRO

is the **professional edition** of the world-famous Xeoma **video surveillance** software. The Xeoma Pro edition includes advanced options for video analytics, integration, and work of security officers.

———————

This edition of Xeoma is the full version that comprises all features from all other commercial editions. Xeoma Pro is for real pros, those who *want the best*.

ABOUT XEOMA

To learn more about Xeoma Pro's advantages, let's take a glance at Xeoma software in general and what it has to offer.

What makes Xeoma video surveillance software unique? Why do users from 148 countries in the world choose it every day?

Read on to learn more about Xeoma's one-of-a-kind set of features, supported devices and optimizations!

If you already know Xeoma, you can skip to Xeoma Pro's exclusive features <u>at page 16</u>!

XEOMA IN DETAILS

Xeoma is more than video surveillance software. Xeoma is also a tool to improve, optimize and automatize business operation, that is fitting to hundreds of use scenarios in dozens of industries. Here's what makes it different from other solutions:

Xeoma advantages:

01

Innovative interface
Unique modular structure of the software will help you combine required functions in the way you need. Create multi-layer systems for your needs, in the construction-like structure.

XEOMA IN DETAILS

Xeoma advantages:

02 **Over 100 features, including 30+ video analytics tools**

Over 100 features, various video and audio stream sources, filters and reactions available.

30+ video analytic tools - from simple detection of movement to latest developents in eye tracking, recognition of faces, cars, sounds, smoke and fire, objects, visitors counter, and many more!
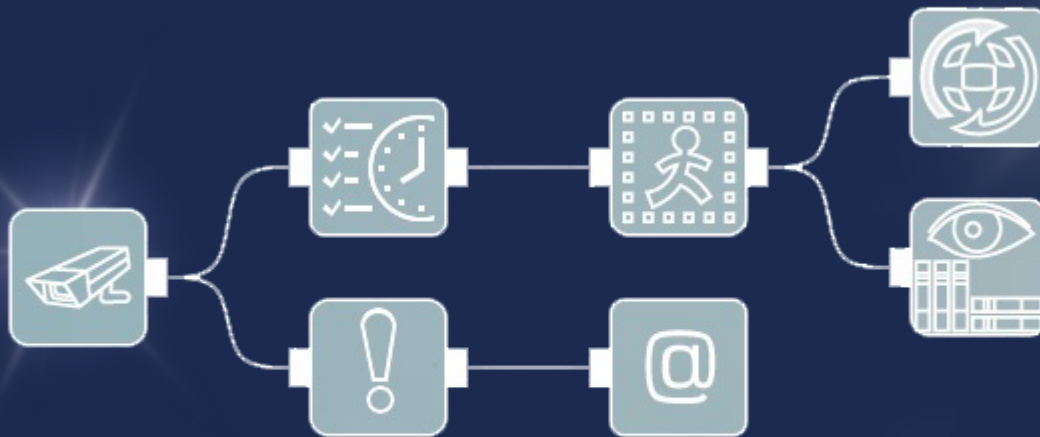
XEOMA IN DETAILS
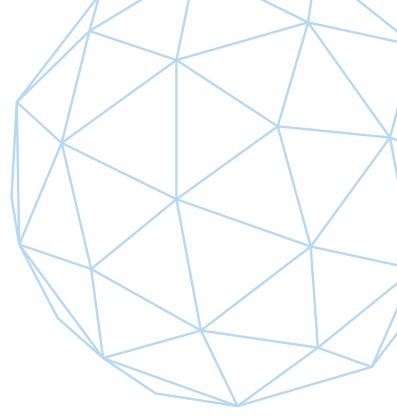
Xeoma advantages:

03 Flexibility

Thanks to Xeoma's innovative and user-friendly interface, functions in the software are easy to combine to achieve a goal. There's a solution to nearly any task in Xeoma!

04 Active development

Need something different? Xeoma is actively developed, regularly gets new features, and offers custom development opportunities.

XEOMA IN DETAILS

Xeoma advantages:

05

More affordable

Affordable prices. 6 editions for any budget, including a free one. No overpaying for features you don't need. No minimal purchase limit. Perpetual licenses or monthly rent option available.
Free trial.

06

99% cameras supported

Thanks to its intuitive and innovative interface, Xeoma features are easy to combine to achieve almost any goal and find a solution to almost any task!

XEOMA IN DETAILS
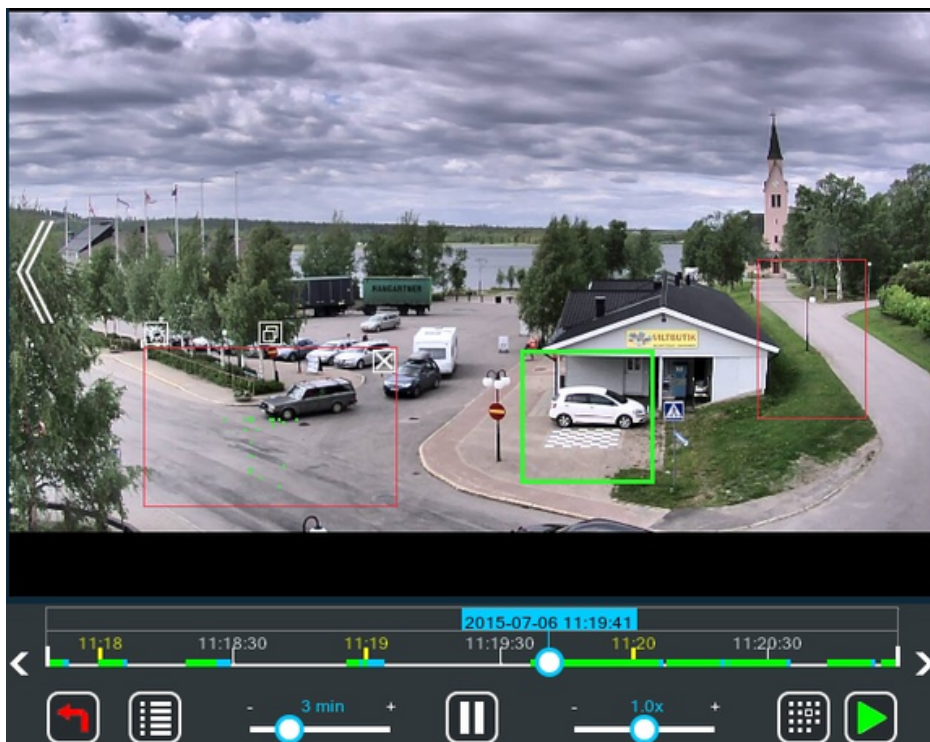
Xeoma advantages:

07

No special equipment required

Works with regular off-the-shelf computers and mobile devices, on most major operating systems. Rare, specific and expensive equipment not required.

08

Live support

Highly trained solution-oriented support agents will answer your requests quickly and effectively.
No bots.

REMOTE ACCESS

Easy remote access from mobile devices, tablets, laptops or computers that helps keep an eye on things from anywhere in the world.

Free iPhone and Android app available.

Available on the App Store

ANDROID APP ON Google play

XEOMA IN NUMBERS

100000+
Downloads from
Google Play

120000+
Downloads from
App Store

148
Used in 148 countries
worldwide

2011
Company est. 2004.
Xeoma est. 2011.

OUR

GEOGRAPHY

Xeoma is used in corporate and personal video security systems in as many as 148 countries of the world!
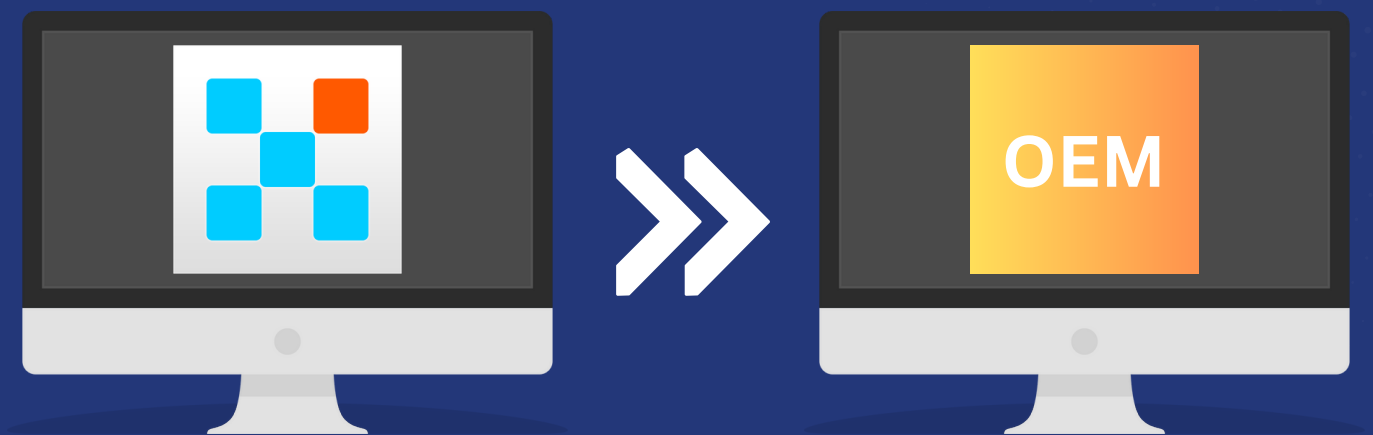
FREE REBRANDING AND CUSTOMIZATION

Want Xeoma in your colors? Xeoma offers **free** customization with its powerful yet simple to use rebranding tool. Use it to change the software design, name, logo, links and information, create special use case oriented versions with specific features, etc.

XEOMA LICENSING

Minimum purchase for Xeoma Pro is just **1** camera. No upper limitations in camera amounts. Easy extension with more licenses. More benefits below:

Xeoma Pro licenses are **for lifetime**, with 1/3/10 years of free software updates included.

Renting option

License **rent** is available as an alternative to perpetual licenses. Renting is perfect for seasonal video surveillance systems or for testing if Xeoma Pro has everything needed.

Xeoma Pro licenses **combine*** with Xeoma Standard, which means that Xeoma Pro can be purchased just for those cameras that require professional functions, while the rest of the cameras can be 'covered' with Xeoma Standard licenses.

Free trial

Besides, free **trial** licenses for testing for any number of cameras are available for projects of any scale.

*Except for the Xeoma Pro Your Cloud mode

AUTOMATED SERVERS BACKUP - *FAILOVER*

Failover support is an opportunity to backup camera recordings and ensure video surveillance security.

With failover, if one or several of your main servers fail, backup servers will temporarily replace them.

This feature will work automatically in Xeoma, allowing backup servers to turn on independently if the main servers fail.
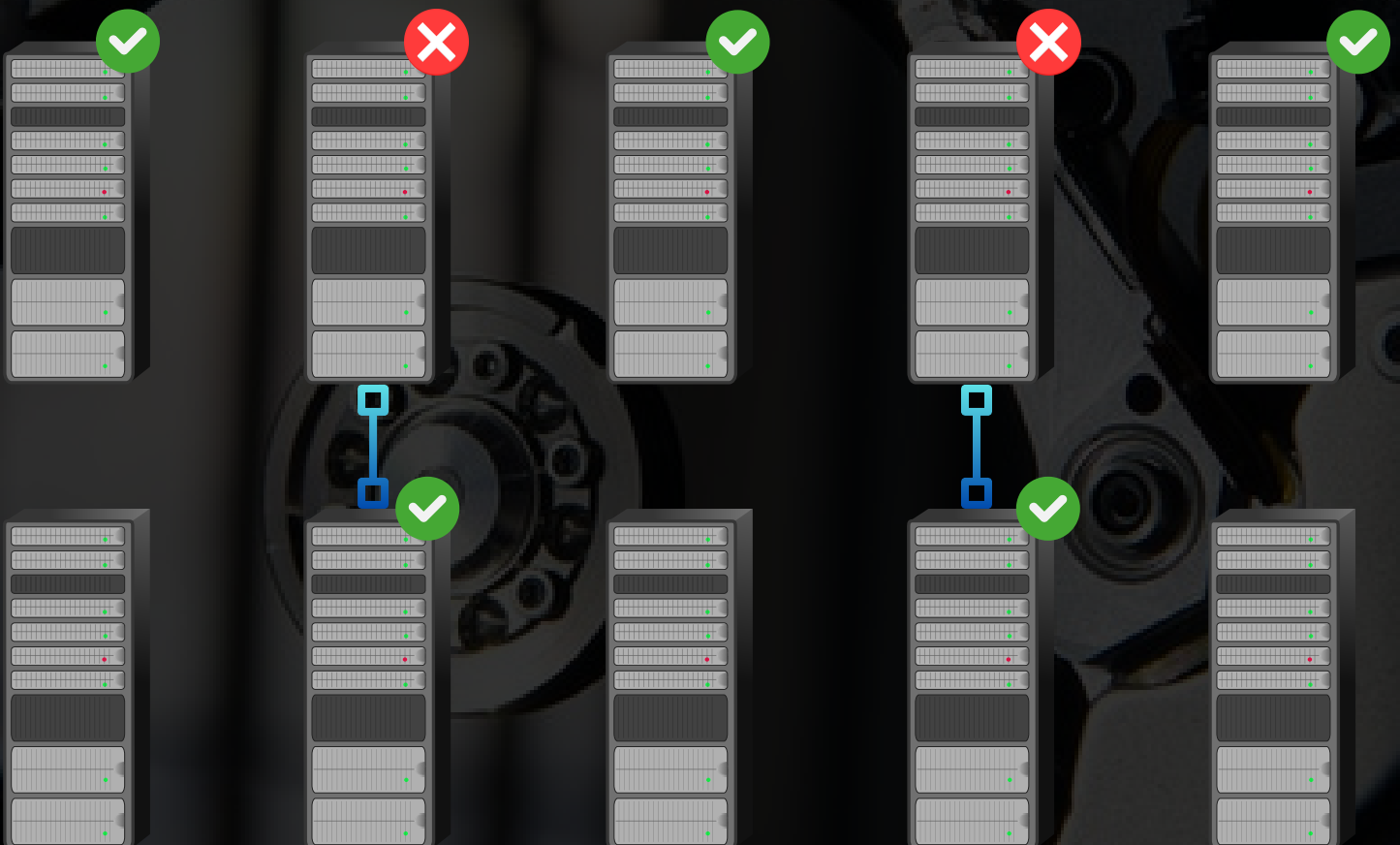
INNOVATIVE INTERFACE

ONE OF THE XEOMA KEY FEATURES IS ITS INNOVATIVE INTERFACE INSPIRED BY A CHILDREN'S CONSTRUCTION TOY.

EASY FOR NON-TECH-SAVVIES YET POWERFUL FOR PROFESSIONALS, XEOMA'S USER-FRIENDLY INTERFACE MAKES BUILDING SYSTEMS OF ANY SCALE - FROM SMALL 1-CAMERA SYSTEMS TO CORPORATE ONES WITH THE TRULY UNLIMITED NUMBER OF CAMERAS (UP TO SEVERAL THOUSANDS OF CAMERAS PER SERVER) - WONDERFULLY EASY.
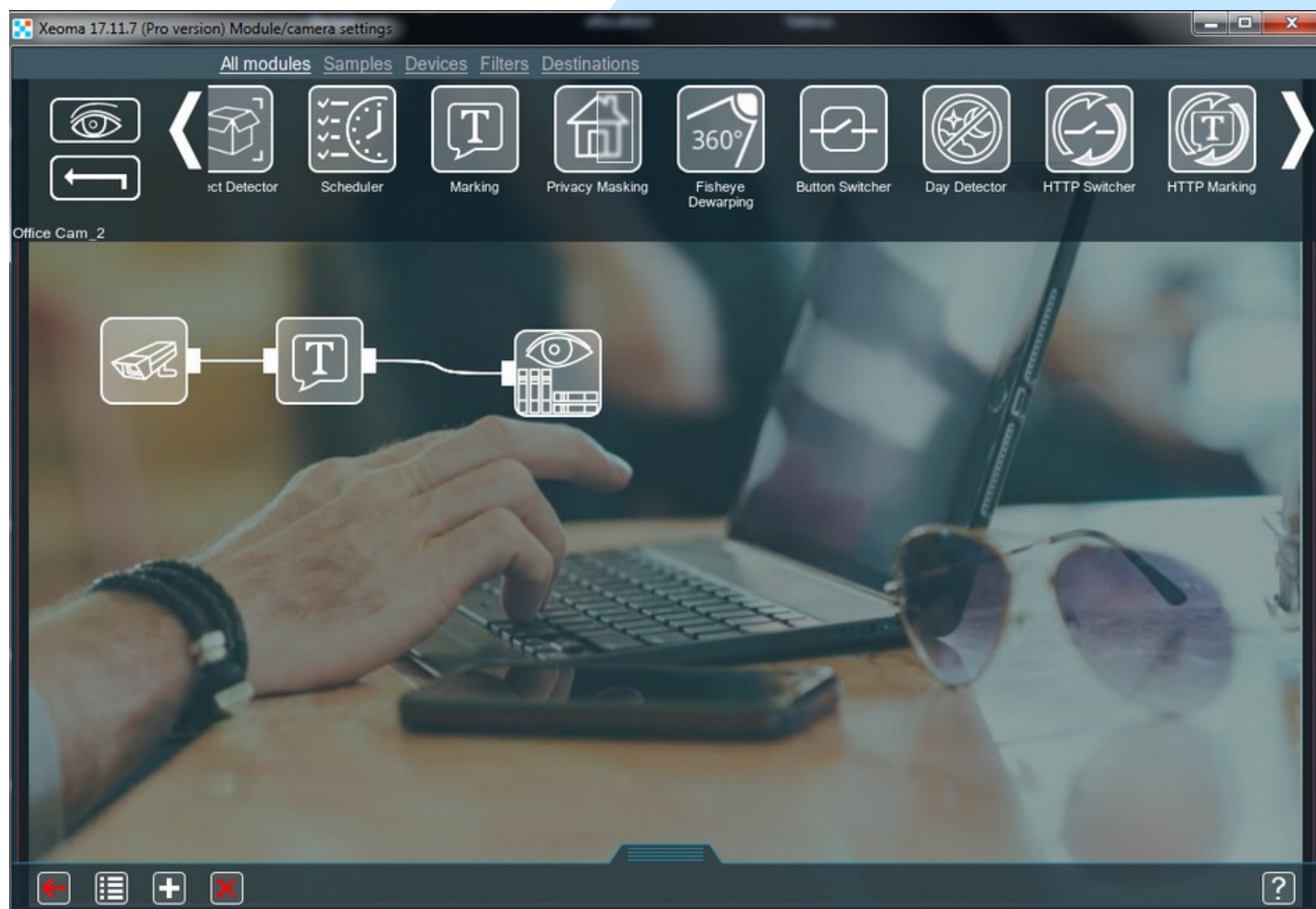
XEOMA APPLICATION SCENARIOS

XEOMA CAN BE USED IN VARIOUS SCENARIOS - FROM HOMES OR SMALL BUSINESSES TO LARGE ENTERPRISES AND MULTI-NATIONAL HOLDINGS.

PRODUCTION

BANKS AND OFFICES

RESTAURANTS, CAFES

HEALTHCARE

SHOPS, MALLS, RETAIL

REAL ESTATE

ACCESS CONTROL

BROADCASTS

PERSONAL SECURITY

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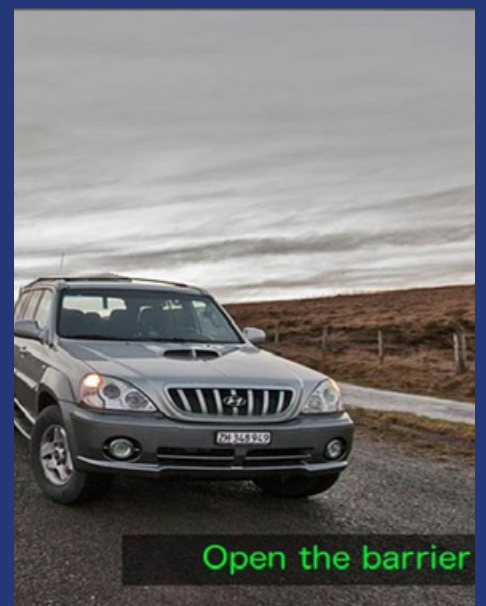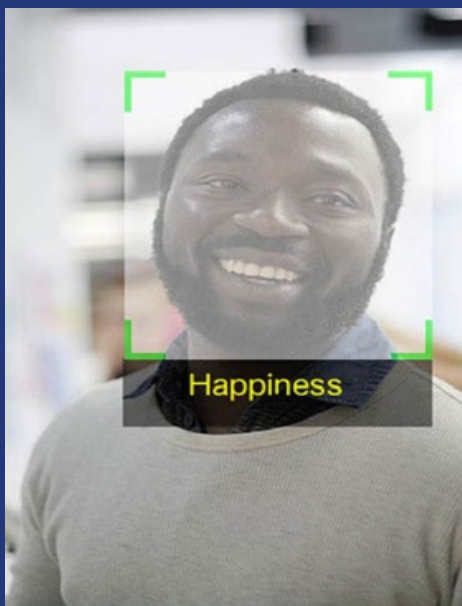
XEOMA PRO

WHERE VIDEO SECURITY MEETS BUSINESS BOOSTING

PROFESSIONAL VIDEO SURVEILLANCE FEATURES TO USE IN BUSINESS AND CORPORATIONS

Xeoma video surveillance software has various editions packed with specific features. However, Xeoma Pro is the fullest of them that introduces top video analytics and professional features.

Powerful technologies allow to combine the **speed** of computer vision and its uninterrupted 24/7 high-level **performance** in any circumstances, day in and out.

See details below

XEOMA PRO

SPECIAL FEATURES

UNIQUE MODULES

Detectors and reactions that are not available in other editions.

MORE FEATURES

Multi-story eMap, quick turning on/off and many other features.

API AND INTEGRATION

Integration tools to work with 3rd party systems and devices.

YOUR OWN VSAAS

Special mode for you to sell video surveillance as a service.

SITUATIONAL AWARENESS

Tools to increase productivity of security operators' watch.

QUICK OVERVIEW OF XEOMA PRO'S PROFESSIONAL FEATURES

See details in pages below

Your own Cloud video surveillance

License plate recognition, integration with databases and fee systems. Detection of speed limit or parking violations

Face recognition, with unlimited number of faces, black and white lists

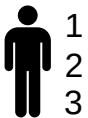Detection of abandoned objects

Privacy masking

Detection of loitering

PTZ presets and tours, PTZ camera joysticks

Detection of smoke and fire

Visitors Counter with movement direction

YouTube Streaming

Integration with thermal cameras

Integration in third-party systems, API

Also: LDAP, webRTC, RTSP Broadcasting, Panic Button, IP microphones, tools for security operators and many more

FACE RECOGNITION

With the **Face recognition** module your system can

- automatically detect human faces in camera image;
- recognize people from black or white lists;
- have automatic reactions to a certain person (alerts, home automation, etc).

In retail it helps identify a loyal customer and send them a tailored special offer to their phone, instantly.

! With the **Privacy Masking** module, found faces can be automatically blurred for privacy reasons.

Tip: in high security access control systems the **Face ID** module can be used for double authorization since it provides face recognition of people in sight bundled with their live comparison to the person's profile taken from a QR code or an access card (the module is purchased separately).

See more about Xeoma at www.xeoma.com

LICENSE PLATE RECOGNITION

Detect and recognize license plates of standing and moving vehicles.

Automate entry (integration with barriers, lights, access control databases).

Support for black and white lists, Search for certain plates through recordings.

Useful in parking lots, in police, in traffic monitoring

This module can also work with third-party LPR tools. Contact us to know if your country is supported.

! Also try the **Vehicle Speed Detector** that can estimate he vehicle's average speed and be used in traffic monitoring.

See more about Xeoma at www.xeoma.com

VEHICLE SPEED DETECTOR

The combination of Xeoma's pair modules - **ANPR Speed Sender** and **ANPR Speed Receiver** - allows to establish the time it took a car to cross two virtual lines and thus calculate its velocity, which can be used for speed limit violation monitoring. This solution can be utilized in tandem with the Xeoma's license plate recognition tool or its various reactions. The speed detector is able to work even in limited Internet speed conditions, when the two virtual checkpoint lines are in several different places.

The module can be integrated into fining and ticketing eco systems.

The solution is a great fit for use in parking lots, law enforcement agencies, and in nation-wide road traffic monitoring systems.

🛈 Try also Xeoma's other module that can detect speed - the **Vehicle Speed Detector** that takes the speed information from a speed meter appliance called ISKRA DA/40 (the module and the device are purchased separately).

See more about Xeoma at www.xeoma.com

VISITORS COUNTER

Visitors Counter is a unique function that allows you to effectively analyze the footfall traffic for your shop, showroom or your office attendance.

The Cross-Line Detector module also lets you draw a virtual line and is triggered if the drawn line is crossed. The modules is capable of detecting the direction of movement and counting how many times the line was crossed in certain direction.

Useful in retail, access control systems, as well as in homes for security and elimination of false alarms.

LOITERING DETECTOR

The **Loitering Detector** module available in Xeoma Pro is designed to track if an object has been in the monitoring for a time longer than accepted.

The feature is a great addition to security systems in cases where movement itself is not prohibited (so a regular motion detector can be insufficient) but can become suspicious if staying for too long. Besides, as many of Xeoma's other flexible tools, Loitering Detetor can be re-purposed in retail - to spot customers who might be interested in the goods that they stayed around for some time, in logistics - to track the loading/unloading process speed, or in nearly any time-limited lease business.

PRIVACY MASKING

This function allows you to dynamically blur areas in view of the camera thus hiding a part of the frame - or even a moving object (for example, faces or license plates) - that may contain confidential information.

Since the module can work with either static areas or objects tracked by a corresponding detector, it can help avoid privacy intrusion by masking out the pieces of the frame that happen to capture sensitive information or territory.
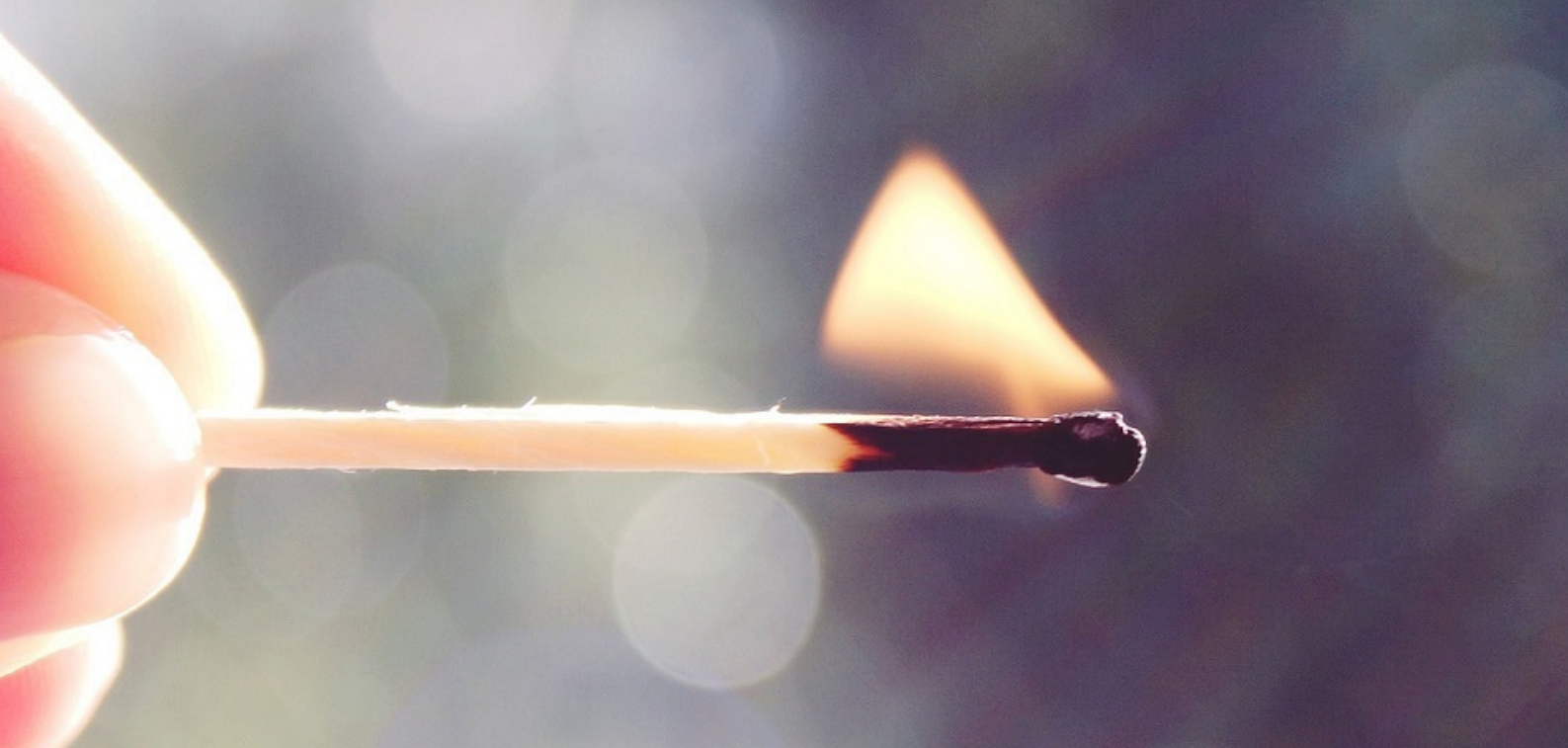
FIRE AND SMOKE DETECTION

Detection of smoke and fire is a neural network technology-based feature of the Xeoma video surveillance software that will help your system quickly detect a starting or an ongoing fire, so that you could take rapid action to eliminate the emergency before it causes dramatic damages.

The feature is powered completely by computer vision, no special equipment or sensors required, so it can be used even outdoors and for vast distances.

It is a great addition to a place's own safety measures that can be used at home, in business organizations, governmental agencies (schools, hospitals), as well as in any spheres subjected to working with **flammable substances**.

LDAP

Security operator profiles in Xeoma video surveillance software allow to assign users multi-level access rights to video surveillance cameras and functions of your system.

In addition to that, Xeoma Pro supports authorization and grouping of users through their Active Directory (LDAP) accounts, which means that instead of creating new user profiles within your surveillance solution, you can use profiles that already exist in your organization for other access purposes.

See more about Xeoma at www.xeoma.com

INTEGRATION

A video surveillance system based on Xeoma Pro is not just a great standalone solution - it also can become an integral part of your ecosystem.

Numerous integration methods in Xeoma - **API** and many modules for sending and receiving commands - are used to synchronize the video surveillance part of the complex with a whole variety of external systems like automated access control systems, cash registers, administrative website platforms or specific devices (or even a billing system - when creating your own Cloud service).

See more about Xeoma at www.xeoma.com

VSAAS

Xeoma's professional edition - Xeoma Pro - offers the unique opportunity to deploy your own video surveillance server, access to which can be sold to customers as VSaaS (**video surveillance as a service**) subscriptions.

Launching the service is easy to do: simply run the program in the special Xeoma Pro Your Cloud mode that yields convenient account administration, flexibility in setting up subscription plans or functions you want to make available to subscribers, as well as billing for automated prolongation or deactivation of accounts.

JOYSTICK AND CONTROL BOARD

Since the Xeoma Pro edition is tailored for professional use in large systems as well as in smaller ones, special attention is paid to optimizations in video surveillance for operators. This includes not only measures to better attract officers' attention to alarming events, but also various automations to negate the human factor and increase their productivity of work.

One such means is the use of special joysticks to control PTZ cameras: quickly view cameras and respond to events in a timely manner.

As a bonus, Xeoma Pro users get special licensing conditions for the PTZ joysticks function.

See more about Xeoma at www.xeoma.com
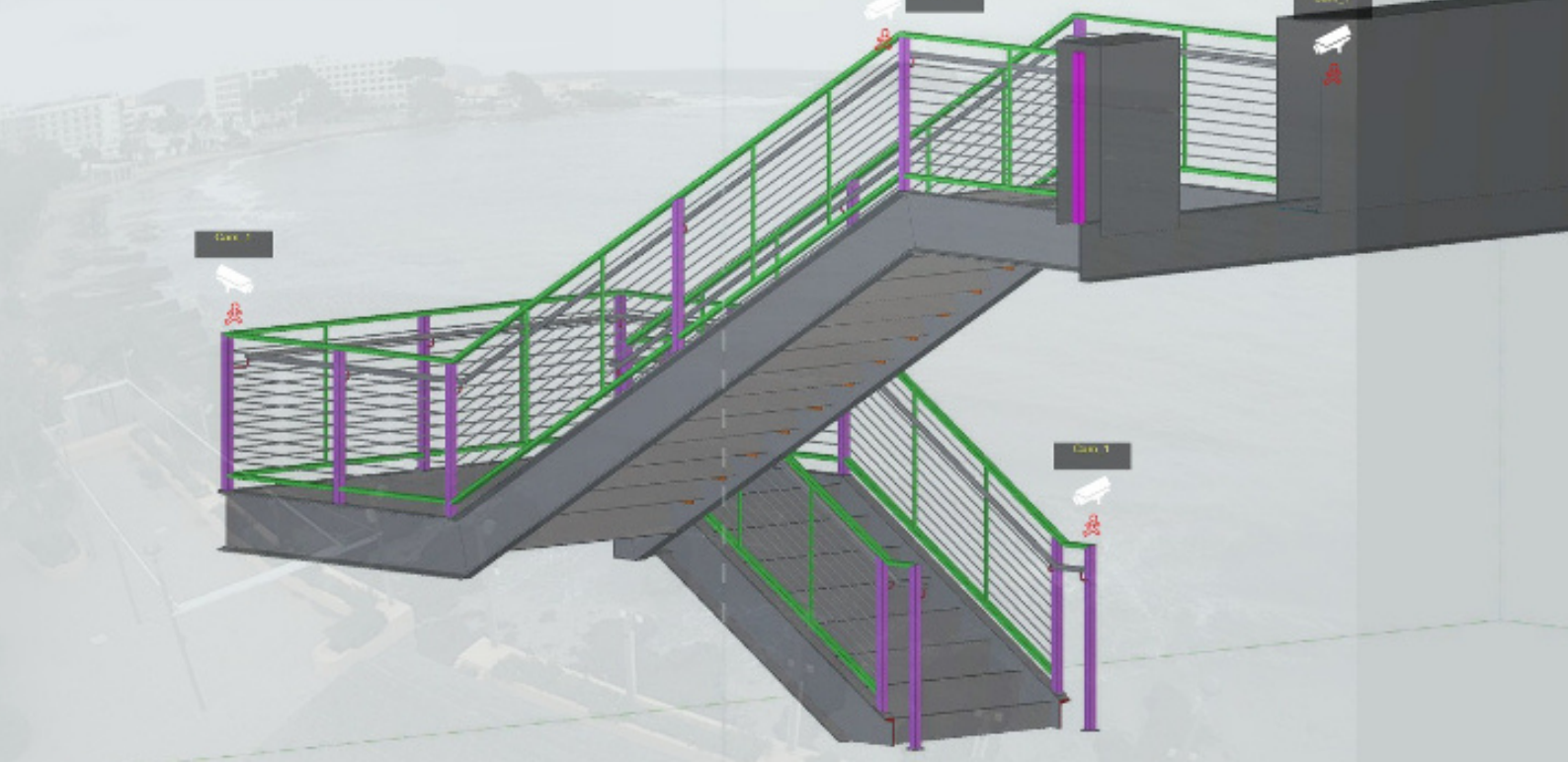
EMAP

Optimizing the work of operators of large video surveillance systems is one of the key advantages of Xeoma Pro. Help for operators consists of different ways of helping them not miss important or alarming events, and react to them rapidly.

One of such Xeoma Pro's optimization is the **eMap** function, the multi-story interactive maps with visualization of cameras around the site, indication of which of them are triggered, and a quick navigation to the 'alarm' camera to investigate an event.

OPERATOR PERFORMANCE BOOST

In addition to eMap and joystick support, Xeoma Pro offers many other features that make the work of operators easier and more productive:

* Visualization of movements in the archive, displaying triggered cameras (alarm monitor) will help draw attention to an important event.

* Simultaneous view and export of recordings from multiple cameras makes it easier to work with arrays of cameras.

* The 'lesser archive' function will help save computer power and prevent overload and downtime.

* Automatic updating of clients to the new available version will help you keep the system up-to-date and avoid incompatibility issues.

* Quickly activate reactions with one click using the 'Button Switcher' module.

See more about Xeoma at www.xeoma.com
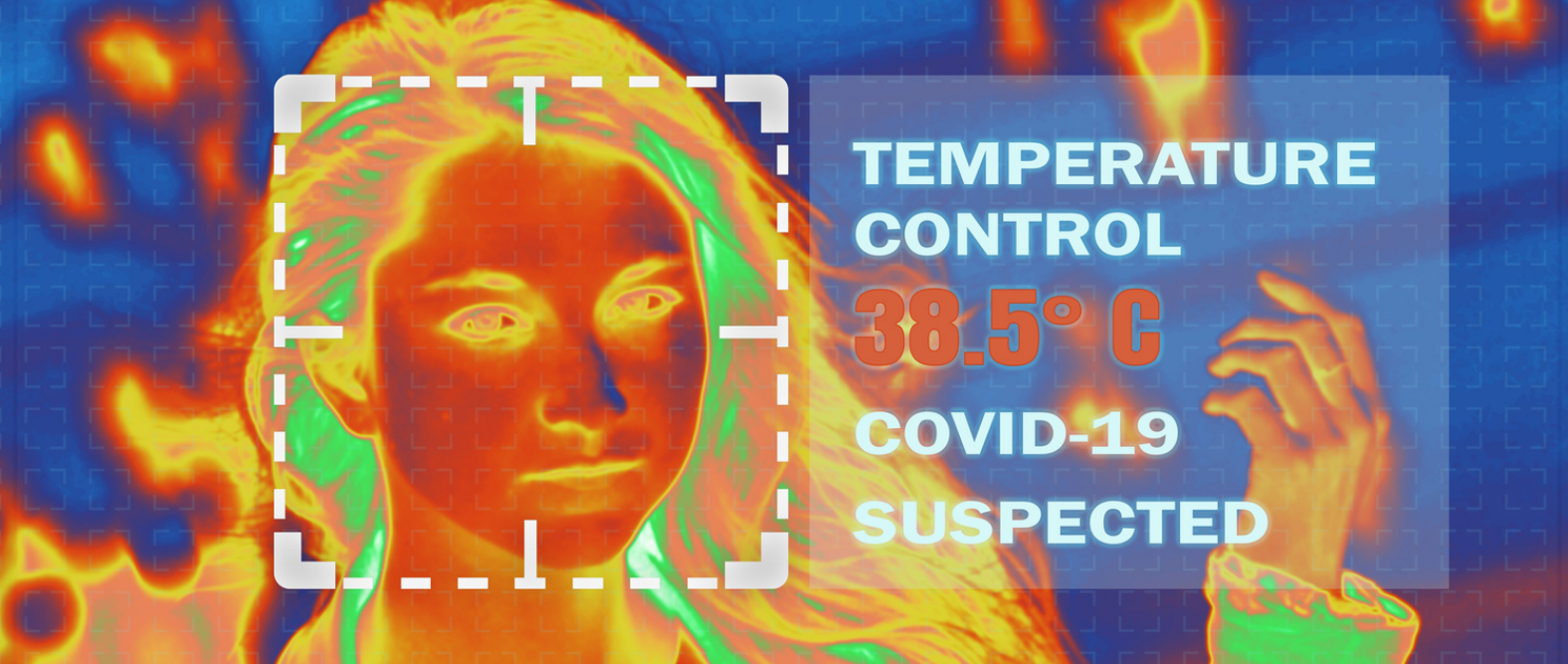
INTEGRATION WITH THERMAL CAMERAS

Integration of Xeoma with **HikVision thermal cameras** will allow the system to automatically respond to temperature of objects in the camera frame.

This combination can be used for more effective disease control (detection of employees and visitors with fever), security automation (detection of the presence of people in unauthorized or dangerous areas in difficult visibility conditions), detection of various animals, fire, control of production processes (for example, overheating of equipment) and many other situations.

See more about Xeoma at www.xeoma.com

RTSP BROADCASTING

This module is used to compress and re-broadcast video streams of analog, USB and even IP cameras over a network as RTSP.

This is applicable in more scenarios than when compression or emulation of a network camera stream is needed. For example, when integrated into a website, the **'RTSP Broadcasting'** will help reduce the network traffic that would otherwise come from HTTP streams. Besides, this module can also be useful when integrated into external systems that work with RTSP streams only.

W E B R T C

When working with video and audio data in a web browser, Xeoma Pro supports various options for webRTC broadcast technology, a cross-platform real-time web communication protocol of the new generation.

webRTC allows you to view cameras in the web interface in real time and record them without loss of quality, while saving network bandwidth and reducing the CPU load on the video surveillance server side - all archieved by transferring decoding to a web browser on the client side.

This is a top-notch solution for video monitoring systems where cameras are viewed mainly via a web interface rather than through a desktop or mobile client.

See more about Xeoma at www.xeoma.com

SUPPORT FOR IP MICROPHONES

Cameras in a video surveillance system are usually positioned at a distance which facilitates better visibility and wider view. This often contradicts the ideal position for a high-quality audio stream that, on the contrary, depends on proximity to the source of sound. Xeoma Pro solves the dilemma with its support for standalone IP microphones that can be placed in other, optimized locations separately from cameras, to obtain a more directional audio signal. Such separate IP microphones are typically more sensitive than those built into a camera, and on the other hand help avoid audio interferences that are common with analog audio sources.

IP microphones are used in any area where the audio stream is no less important than the video stream: for example, in **call centers, insurance or legal companies**, and any spheres where video detection is difficult and it is necessary to rely on audio monitoring.

See more about Xeoma at www.xeoma.com
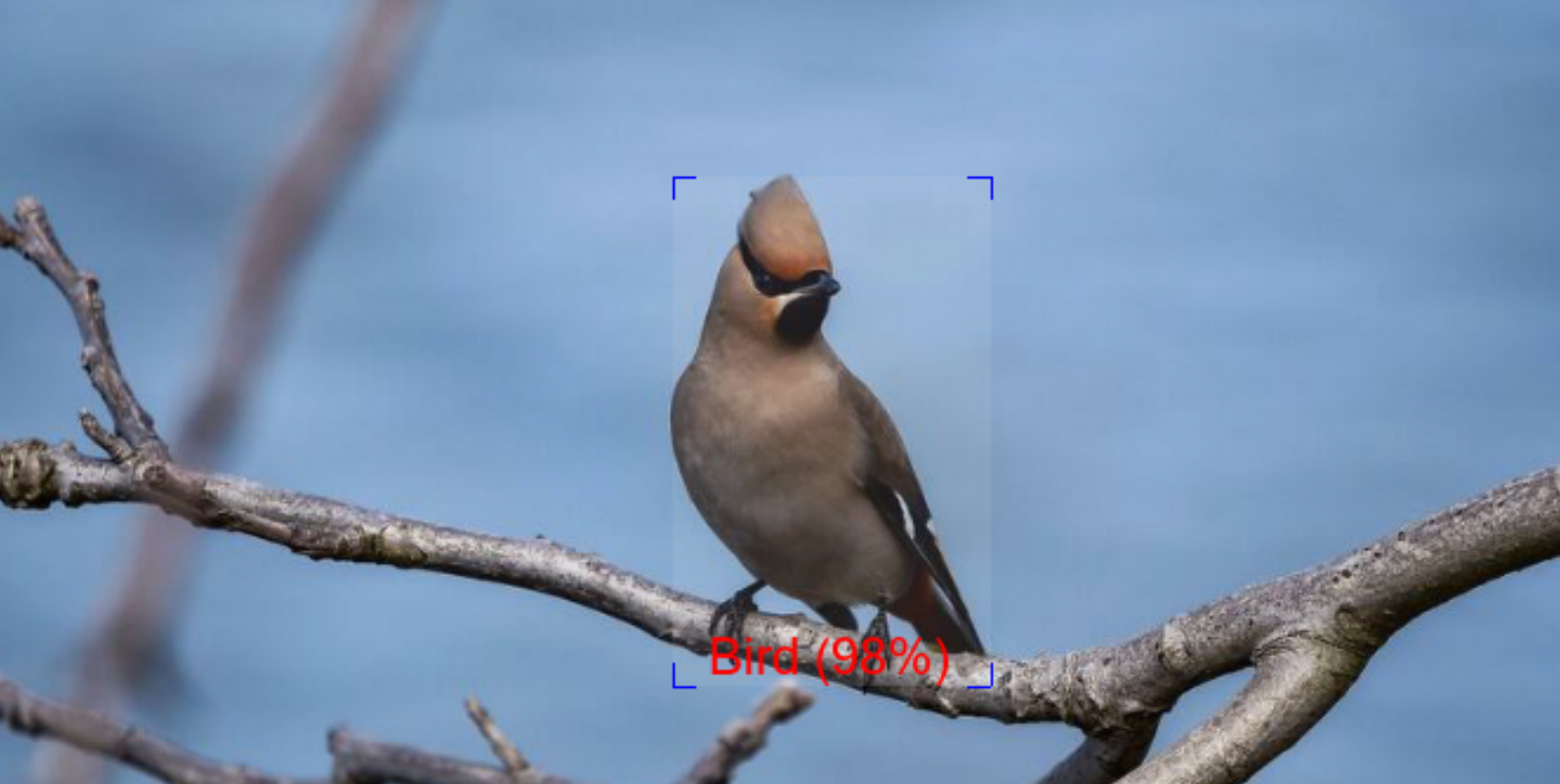
BIRD DETECTOR

This is an artificial intelligence-based module that **detects birds** in the camera's field of view based on their thermal imagery, and helps **track** their **flight** trajectory with a rotating camera.

'Bird Detector' is able to recognize a bird at a distance of up to **350 meters/380 yards**, even when the bird appears as small as a dot on the screen. Based on intelligent technologies for predicting the bird's flight path, the module allows the system to automatically move a PTZ camera as smoothly as possible in the direction of the bird's movement.

Suitable for use with rotating and fixed thermal cameras in ornithological research and amateur ornithology.

See more about Xeoma at www.xeoma.com

ABANDONED OR MISSING ITEMS

The professional edition of Xeoma Pro also includes a function for automatically detecting objects **left unattended**, that is, those present in the camera image beyond a specified period of time, which you can specify in the module settings.

This function can be used as part of **counter-terrorism** programs at airports, train stations, stadiums, public events and other crowded places.

This function can also be used to detect missing items, for example in galleries, museums, shops, auto repair shops, etc.

See more about Xeoma at www.xeoma.com

HEATMAP

The heat map function is used to provide a color representation of the amount of traffic in specified areas in a CCTV camera frame.

Ideal for retail and merchandising to identify the most popular areas that receive the most traffic. This information allows you to select the best positions to place a priority product or to improve the effectiveness of promotions.

WHAT ELSE IS THERE IN XEOMA?

- Loop recording: continuous, scheduled or triggered by event, external command or manually.
- Fisheye image dewarping
- System health monitoring and sabotage detector
- Convenient view grids and camera layouts, support for video walls
- Flexible multi-level user profiles with permissions for camera and feature access + log of events
- Support for 3rd-party devices and systems
- Support for smart home systems
- Integration with information from cash registers
- Import of recordings from a camera's memory card
- Email, SMS, Telegram notifications, http requests, launch of custom scripts and custom reactions
- Support of recording to HDD/SSD, RAID, cloud storage, USB devices, memory cards, etc. + built-in player
- Live broadcasts to websites, blogs, streaming platforms
- Hidden mode of work, screen captures
- Employee work time tracking tools
- and many more!

CONSTRUCTION-SET COMBINATION OF MODULES

The Xeoma Pro edition opens up professional opportunities of advanced video analytics that will come in handy even in the largest, most demanding installations. Besides, you can add 'smart' modules powered by artificial intelligence technologies that are able not to just *analyze* the stream, but also to *think* - and *learn*.
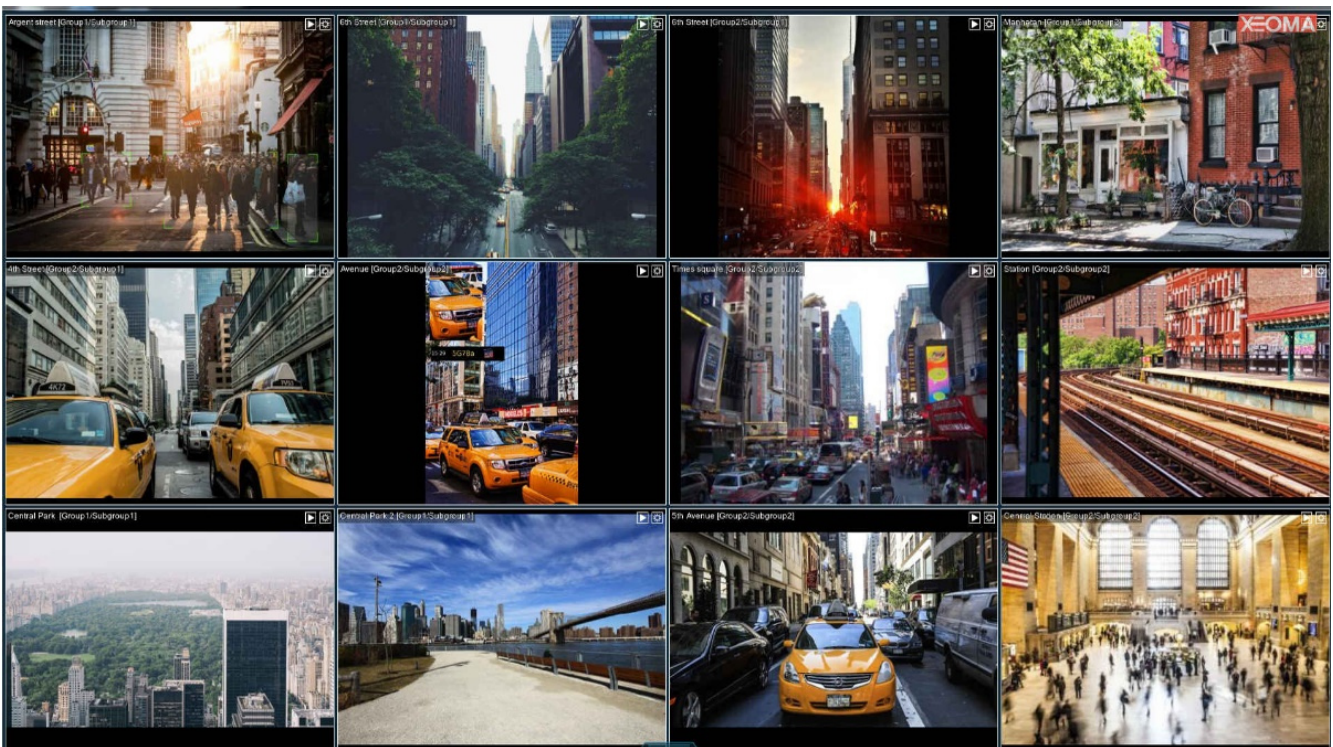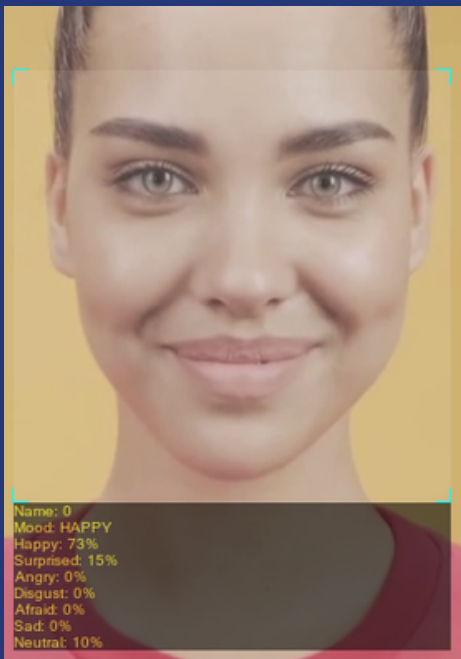

Only get the features you need, combine them to get a video surveillance system tailored to meet your goals!

THE POWER OF ARTIFICIAL INTELLIGENCE

NEURAL NETWORKS AND DEEP LEARNING FOR THE WIN

Xeoma video surveillance software possesses over various features brought by deep machine learning. They have a lot in common with human thinking but **work better!**

Neural networks technologies allow to use the highly efficient combination of tirelessness and stable performance of machines and critical thinking abilities of man!

See details below
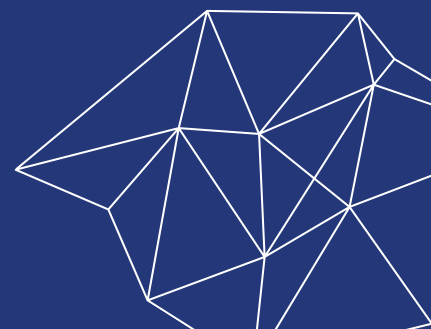
ADDITIONAL MODULES POWERED BY
ARTICIAL INTELLIGENCE

- Advanced face recognition with auto training
- Tracking individuals (search in live stream or recordings)
- Emotion recognition (anger, surprise, happiness, etc.)
- Face comparison with ID (integration with QR-code or card readers)
- Gender recognition
- Color recognition (fever detection, traffic lights detection)
- Object type recognition (car, animal, human, vehicle, etc.)
- Smart-card reader (working with access cards)
- QR-code recognition (including barcodes)
- Age recognition

- Advanced license plate recognition, collaboration with fee systems
- Vehicle speed detector
- Parking spots detector
- New visitors counter
- Crowd and queue detector
- Face mask detection
- Sports ball tracking for automation of broadcasts
- Drone and airplane recognition
- Sound events detector
- Safety gear detector
- Modbus controllers
- Text recognition
- Slip and fall detector
- Seabird recognition
- Eye tracking

Need more? Request custom development!

These features are purchased extra and activate over Xeoma Pro or Xeoma Standard base licenses.

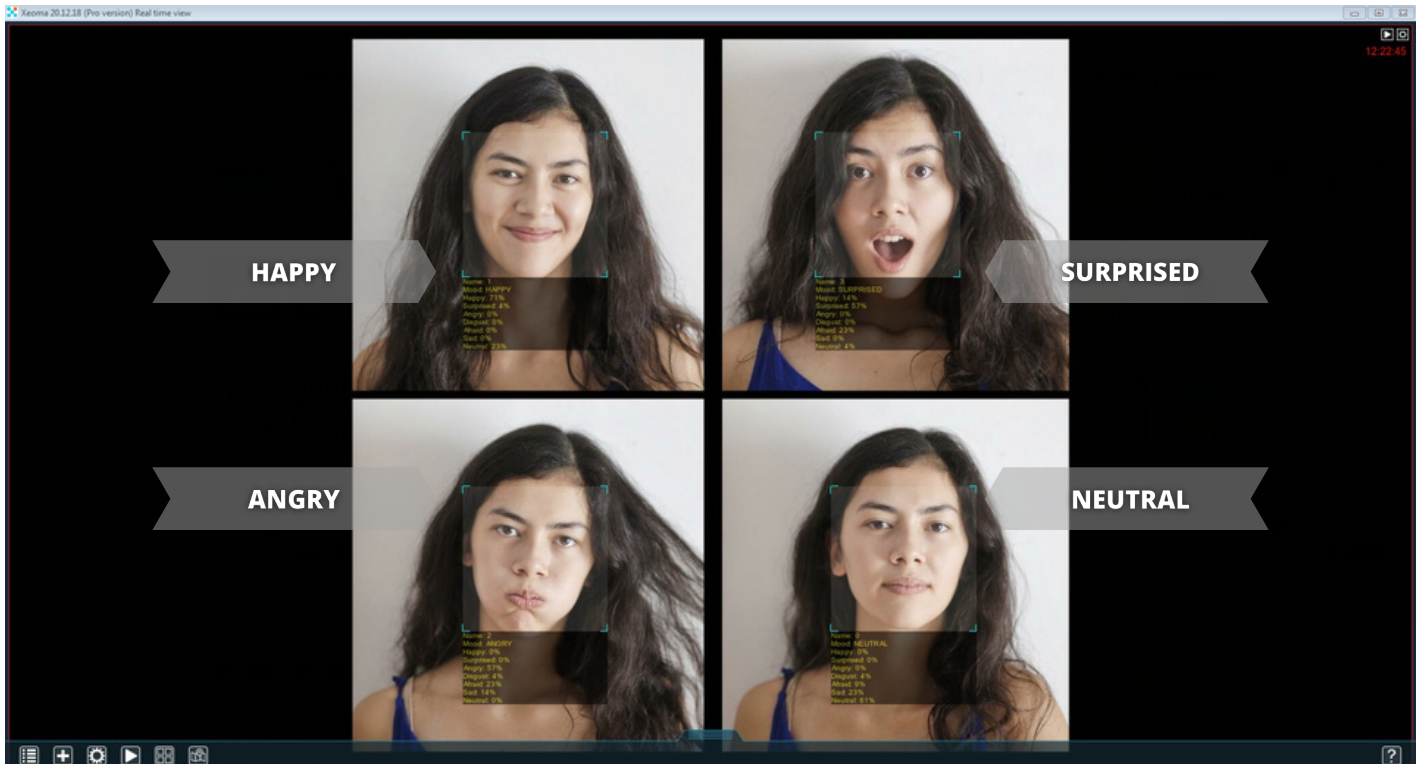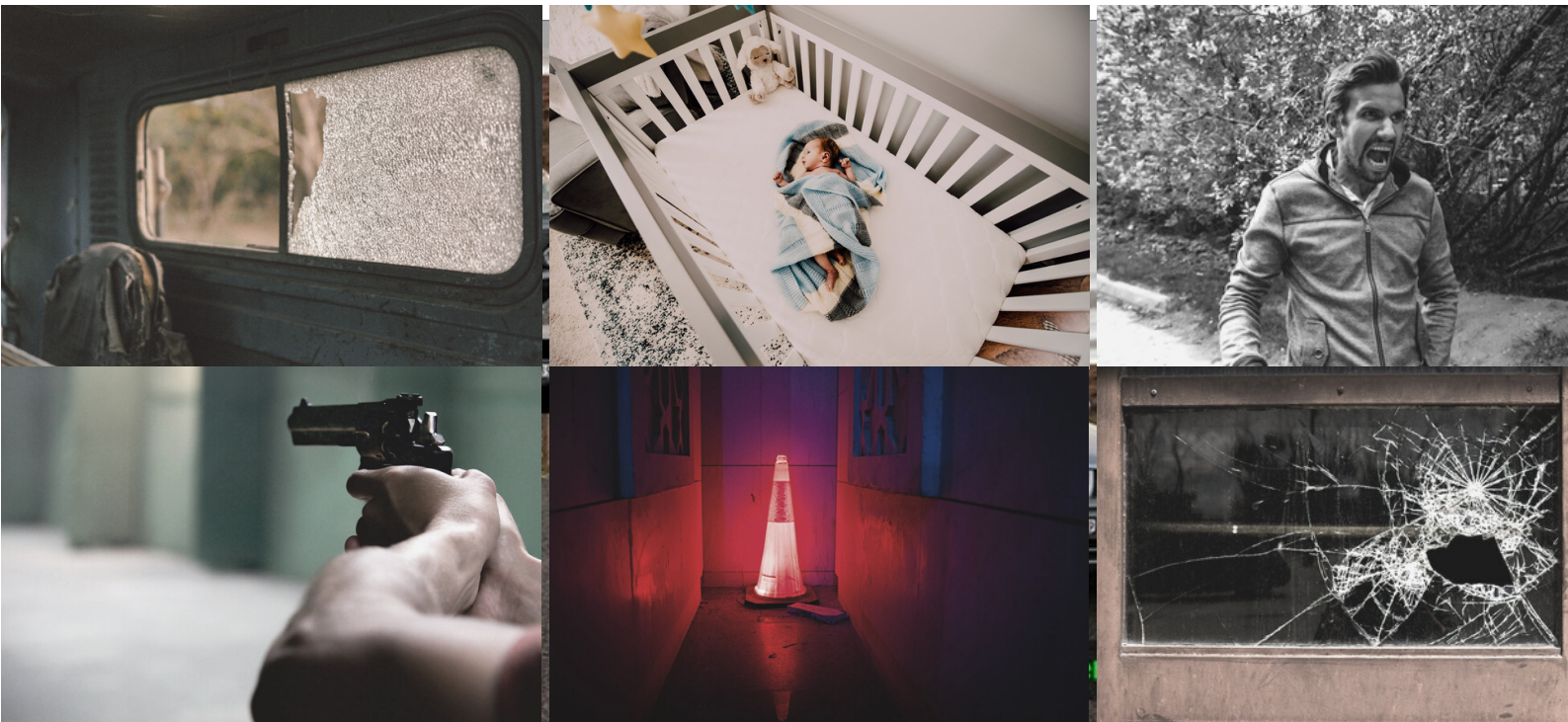Learn more about Xeoma and AI modules at www.xeoma.com
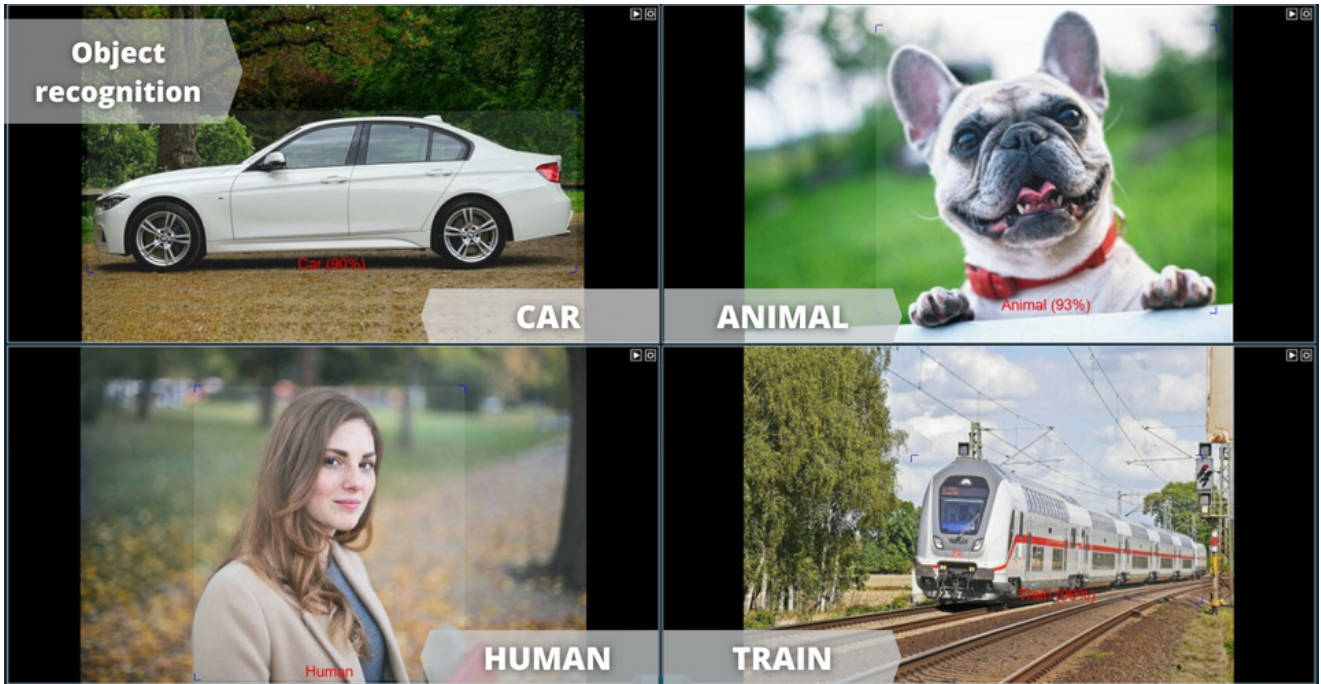
OBJECT TYPE RECOGNITION

DEMOGRAPHICS ANALYSIS
DATA COLLECTION ON GENDER, AGE

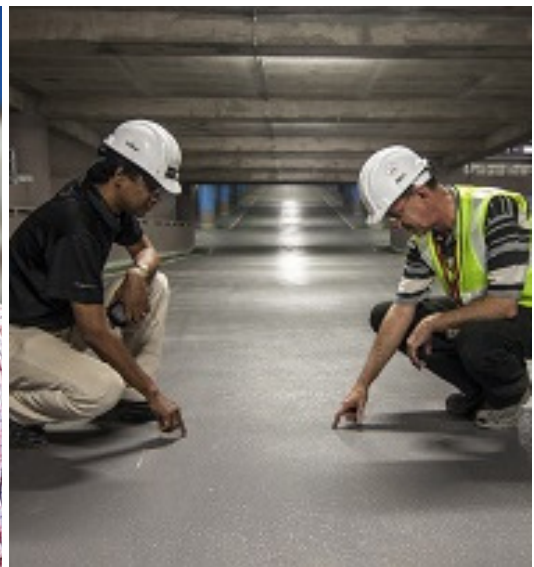Learn more about Xeoma and AI modules at www.xeoma.com

EMOTION RECOGNITION

SOUND TYPE RECOGNITION

Learn more about Xeoma and AI modules at www.xeoma.com

SLIP AND FALL DETECTOR

SAFETY GEAR DETECTOR
COMPLIANCE WITH SAFETY REGULATIONS

TEXT RECOGNITION

AUTOMATED SPORTS TRACKING

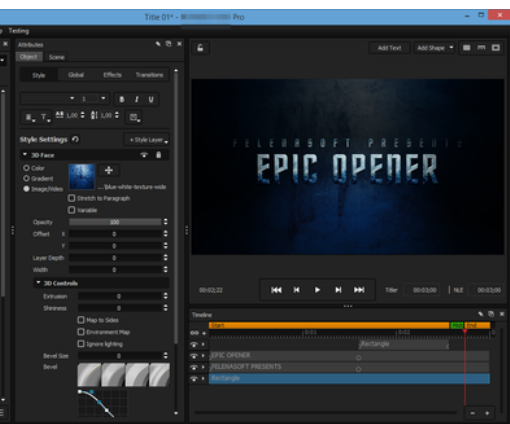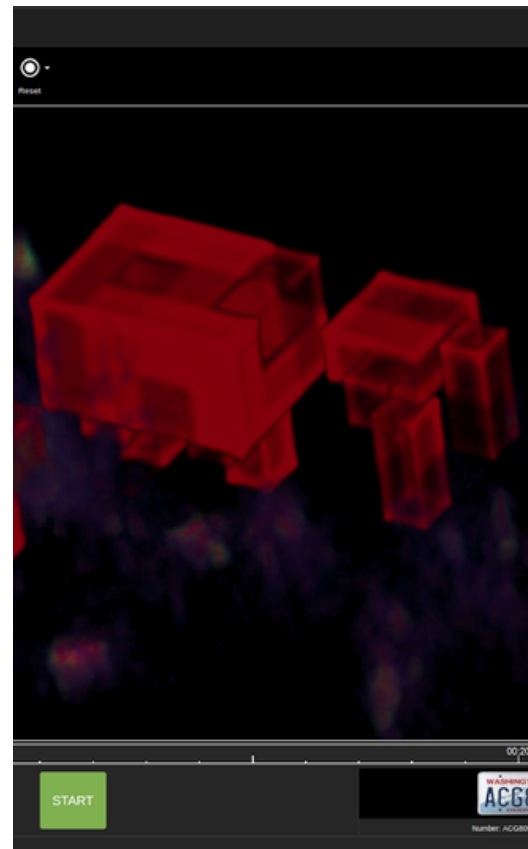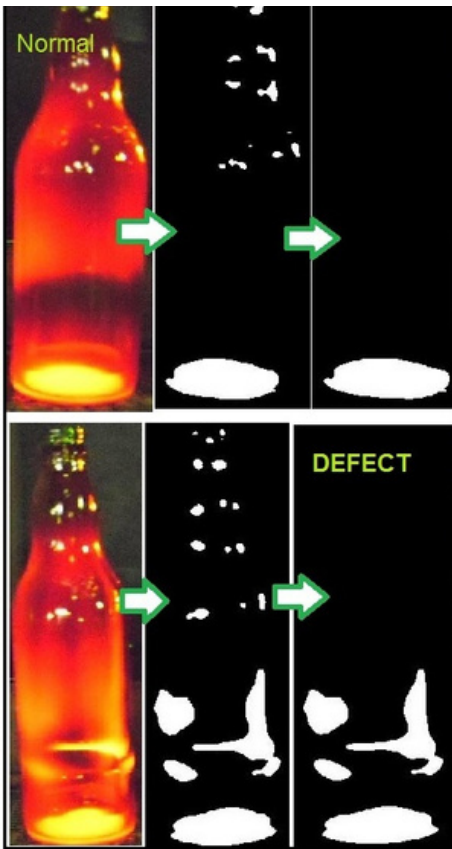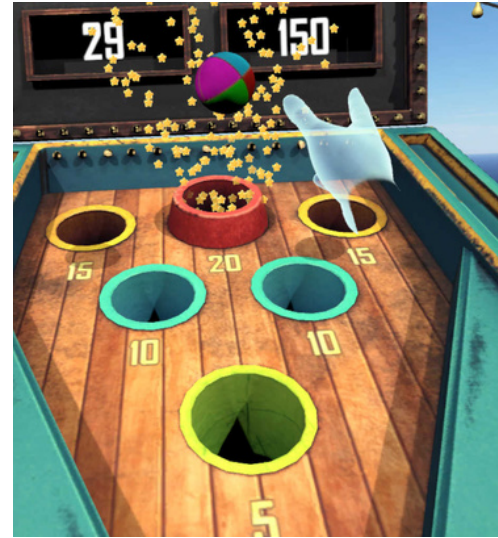Learn more about Xeoma and AI modules at www.xeoma.com

EYE TRACKING

ANTI-CORONAVIRUS TOOLS

Learn more about Xeoma and AI modules at www.xeoma.com

OUR OTHER PROJECTS

Learn more about Xeoma and its AI features at www.xeoma.com

ABOUT US

FelenaSoft Ltd. is an international multi-nation company headquartered in Almaty, Kazakhstan that has been developing software since its foundation in **2004**.

Our mission is to create high-quality products, useful to the world we live in. Our projects include medical portal and equipment integration, a cutting-edge video editor add-on, video surveillance software (developed for **over 10 years**), a free call blocker KnownCalls, - and dozens more.

Learn more at **www.xeoma.com**

GET IN TOUCH!

Our customer care service is ready to help you 24/7. You can choose any method to contact us: Skype, Online chat, Phone or e-mail.
Get answers to your questions completely **free of charge**.

Skype: felenasoft_2

Email: support@felenasoft.com

Telegram: @xeoma_surveillance

WE ARE ALWAYS HAPPY TO HELP