CCTV Xeoma in lockdown

REMOTE ACCEPTANCE, CONTROL, MANAGEMENT
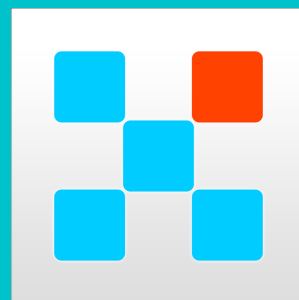
VIDEO SURVEILLANCE FOR BUSINESS DURING LOCKDOWN

## REMOTE ACCEPTANCE, CONTROL, MANAGEMENT

RELENTLESS, VIGILANT, WITHOUT A BREAK

Video surveillance systems can operate even in the most dangerous conditions, eliminating the risk of injury to employees. Moreover, 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 theft and intrusion. This is also Artificial Intelligence capable of *analyzing* images from cameras. This has an even greater importance during the times of **lockdown**.

MORE THAN JUST CAMERAS

With the help of Xeoma video surveillance, you can solve many tasks in businesses even in the times of lockdown and closed borders:
- virtual demonstration of production for customers, remote acceptance;
- access control of vehicles, employees to the territory and areas with limited access (including double authentication);
- help with working process statistics and controlling employees' activity;
- ensuring safety of employees, facility, equipment and materials at construction sites and in storage;
- reducing level of theft, losses due to lawsuits and compensation for injuries;
-and many more.
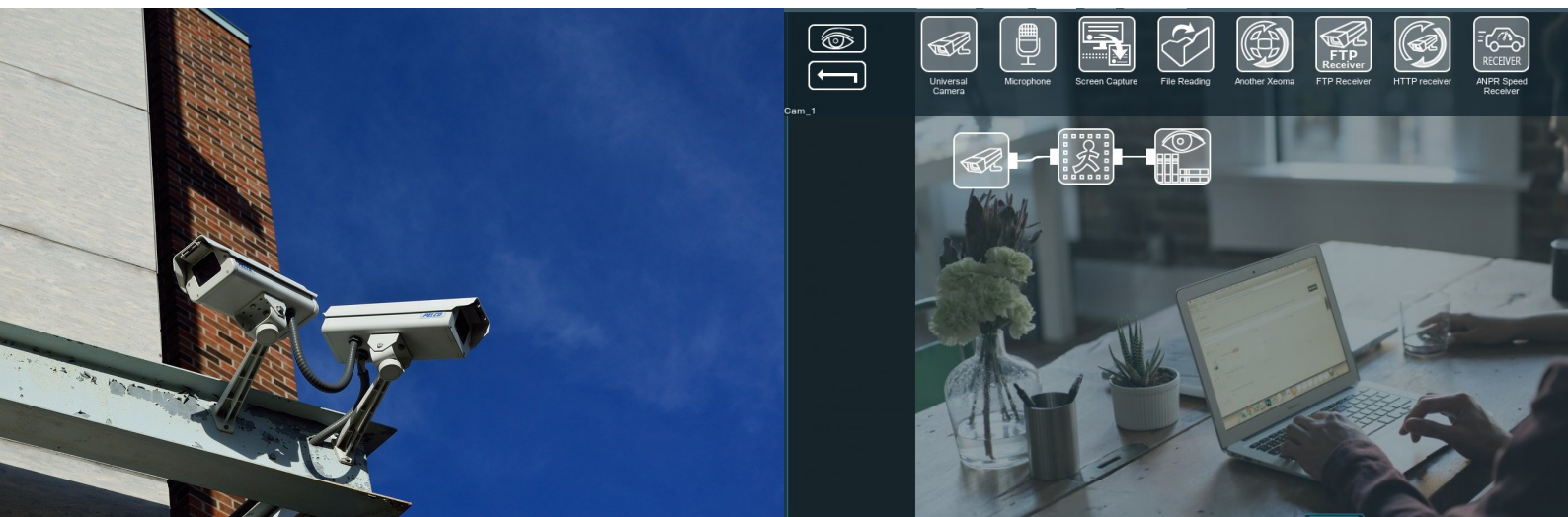
CCTV FOR BUSINESSES DURING LOCKDOWN

SECURITY AND VIDEO ANALYTICS

VIRTUAL SHOWROOM: REMOTE ACCEPTANCE

The global epidemic has changed our ways in many spheres, including business. More businesses shift from offline to online whenever possible, and surprisingly it works great in many cases.

But what about businesses whose work has been closely intervened with meeting people and showing their work to customers? For example, in building heavy machinery/mechanical engineering, where such businesses' routine was to welcome customers from all over the world to the lab for a tour showing them the machine worth several hundred thousand dollars being built for them.

Like in so many other niches, it's time for machinery building and other traditionally offline businesses to go online – but better!

Introducing video surveillance's unusual side: **virtual showroom** (also referred to as **remote acceptance** tool). With it, your customers can peek into the process of building "their" machines without being physically present. And unlike when visiting in person **they can do it 24/7**.

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SECURITY AND VIDEO ANALYTICS

VIRTUAL SHOWROOM: REMOTE ACCEPTANCE

With Xeoma CCTV software, easy and affordable, it takes only 4 simple steps to transform your business to a virtual showroom:

1. Take some cameras and point them at the exhibition object. Various types of cameras are supported so you might use the ones you already have.

2. Connect them to a computer that will be processing the cameras.

3. Put Xeoma in there to ensure perfect quality, affordable prices and multiple features.

4. Give your customers credentials to connect and see cameras they should see.

This way you can show your produce or processes to customers for remote acceptance even in lockdown.

Tip: Additionally you can set up PTZ presets and guard tours to make the camera rotate for your client and show them the object of interest from various sides.

CCTV FOR BUSINESSES DURING LOCKDOWN

SPHERES OF USE

MINING

Excavation sites where coal, metal or other subsoil resources are extracted, transported and filtered employ dozens, sometimes even hundreds of people.

Before the pandemic it was thought that such vast territories can only be managed in person while standing next to the extraction pit. Now it turned out that CCTV cameras can be a manager's eyes 24/7 just as well. AI can also be of great use there by analyzing quality of the extracted material by its look and mass.

FARMING

If you own a vast farming business spread across cities, countries or even continents, you could be in full awareness of the processes there although international borders are closed.

CCTV cameras can be viewed remotely at any time (PTZ cameras can also take you on a virtual tour around the premises) and also do smart analytics of the stream and detect birds preying on crops or on fish, detect if there are unauthorized people or vehicles in the farm, etc.

CCTV FOR BUSINESSES DURING LOCKDOWN

SPHERES OF USE

PRODUCTION

Like in the heavy machinery remote acceptance case, the same applies to any production sites as well. Investors can "visit" an area or establishment to check on the work processes that they have trusted their funds to – be it a bakery network or a factory manufacturing a new collection of luxury brand clothes and accessories.

Smart analytics can also provide extra functionality like estimation of a shift's productivity.

CONSTRUCTION

Another very popular feature for the construction business is the **time-lapse** (accelerated video effect) feature.

The construction process is usually very long, lasting for months, or even years, it is very time consuming to monitor it in real time. Timelapse is a great way to get a glimpse of even the longest process in a minimum amount of time, so this effect can be used by managers to analyze work over a period of time, or it can be used to visualize the building process for presentations and showing to clients.

CCTV FOR BUSINESSES DURING LOCKDOWN

SPHERES OF USE

MEDICAL

In medical institutions, during lockdown family members would want to visit their elderly relatives to make sure they are treated and feeling all right.

However, lockdown restrictions prohibit visitors. Luckily, there are video calls available so that the meeting can be held online. But what if the patient is unwilling or unable to use a video call? Video camera system will help you peek in to check on your relatives – in the legally allowed extend, of course.

ANOTHER SPHERE AT YOUR REQUEST

Possibilities of up-to-date CCTV systems truly strike the imagination and are virtually unlimited. Video surveillance is no longer used in businesses just for security of people, premises, land, property. Instead, CCTV systems nowadays are packed with applied functions for automation, optimization, compliance with safety or anti-coronavirus regulations, for protection against claims or fraud acts. Ask us about a solution for your needs.

CCTV FOR BUSINESSES DURING LOCKDOWN

BEST PRACTICES OF VIDEO ANALYTICS

SAFETY HELMET DETECOR

Compliance with safety measures in businesses is not a luxury, but an absolute necessity - especially during a lockdown.

This is why the Detector of Construction Site Safety (also sometimes referred to as a helmet detector) is one of the most popular AI-powered features. This module is able to detect items of uniform that are in the frame and critical for compliance with safety measures at a construction site: safety helmets and work uniform.

SMOKE AND FIRE DETECTION

Speaking of compliance with health and safety regulations, anti-fire measures are probably the most critical to have.

Fire Detection is a neural-network-based feature in Xeoma that will help your video cameras system quickly detect a fire in the camera's view, and take action to deal with an emergency before it causes a tragedy that could result in casualties, property damages or other losses. It does not require special equipment or sensors, therefore it can be used even outdoors.

CCTV FOR BUSINESSES DURING LOCKDOWN

BEST PRACTICES OF VIDEO ANALYTICS

STAFF ACTIVITY CONTROL

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

The **Loitering Detector** detects inactive employees and triggers the necessary reaction: reports, notifications and custom reactions are supported.

The **Crowd Detector** will detect if workers have gathered in a group when they are supposed to work each at their post, etc.

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.

CCTV FOR BUSINESSES DURING LOCKDOWN

BEST PRACTICES OF VIDEO ANALYTICS

INTRUSION DETECTION

Due to a reduced flow of clients, many businesses temporarily close some of their facilities. When territories are left with no or little supervision, the need for remote monitoring is satisfied with Xeoma.

Even a simple **motion detector** will be able to detect intruders on the territory in off hours and trigger an alarm.
For fenced territories, the Xeoma **Senstar PTZ tracking** module can be used – when a signal that sensors are triggered is received on any part of the fence, the camera will turn and shoot that area.

The **face recognition and license plate recognition** modules, based on artificial intelligence, can be successfully used for access control. They are often used for automation of passage for people and vehicles from the "white" list, notification of guards upon detection of unknown persons.

For stricter access control, you can use a combination of **Face ID** and **QR code recognition/Smart card reader** modules, which will only let in those who show a pass with their photo matching the face in the camera sight.

CCTV FOR BUSINESSES DURING LOCKDOWN

BEST PRACTICES OF VIDEO ANALYTICS

ACCESS CONTROL SYSTEM AND AUTOMATION

Xeoma can also be used to automate the routing of deliveries, allowing the machine to be directed to the desired box or sector for unloading without the participation of several people, as is often the case in systems without intellectual video analytics.

Xeoma's **"License Plate Recognition"** module can recognize the license plates of approaching vehicles (including trucks), compare them with specified lists and automatically launch a preset reaction – for example, to open a barrier or display a sector for unloading on the screen.

The **Object Recognition** can distinguish between different types of vehicles and can be used to direct trucks to a special unloading area or send a call to a responsible worker so that they can do other tasks the rest of the time.

Xeoma's **"Detector of Abandoned Objects"** detects if any objects, cars, people or equipment are staying in restricted areas, or it can notify you if an unattended object has been in the camera's field of view for longer than usual.

CCTV FOR BUSINESSES DURING LOCKDOWN

SECURITY AND VIDEO ANALYTICS

SUPPORT FOR 99% OF CAMERAS

Xeoma is a comprehensive all-in-one solution that supports 99% of the world's cameras, where many cameras of different brands and models can be used simultaneously, without having to overpay for special models with built-in analytics.

If special cameras with their own video analytics are used, Xeoma's **"Camera Embedded Detector"** module will help receive triggers from the camera and use them in the program.

Overview PTZ cameras are often used on large sites to cover large areas with minimal cost.

By means of Xeoma's **automatic PTZ tours** (switching through virtual checkpoints), the camera can move to different areas of the territory so as not to miss anything interesting, even if it happens in an area where the camera is not constantly monitoring.

CCTV FOR BUSINESSES DURING LOCKDOWN

SECURITY AND VIDEO ANALYTICS

TASKS THAT CAN BE SOLVED

With the help of Xeoma video surveillance a business can solve many problems:

- **Security** of the facility and adjacent territory: prevention of intrusion, theft, vandalism, emergency or accidents;
- Process **optimization** and quality control of production works, cost reduction, including for management and security;
- **Remote monitoring** of the work process at any time and anywhere in the world - including for **remote acceptance** and **virtual showroom**;
- Video and audio evidence footage from cameras for **investigations and presentations;**
- Aid in improving the business.

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 production and in company 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 team.

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

EYE TRACKING, SPOT STATUS, SLIP AND FALL DETECTOR, SOUND TYPES RECOGNITION

EYE TRACKING

Revolutionary tracking of people's gaze direction with nothing else but a regular camera. Can be used for scientific researches or for neural marketing to estimate how well customers interact with ads or promo stands.

PARKING SPOTS

Xeoma's new feature will let you know when a spot's status changes from 'empty' to 'occupied' and in reverse. It can be used in parkings, in cinemas, for illegal parking tracking, etc.

SLIP AND FALL DETECTOR

Allows you to automatically detect falling in the selected area and is able to recognize even 'incomplete falls' when someone falls off a chair or a bed.

SOUND EVENTS DETECTOR

Defines the type of sound (shot, scream, car alarm, glass break) 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