

eocortex 

EOCORTEX 4.2 -

Act quickly, stay one step ahead!

**ACT QUICKLY,
STAY ONE STEP
AHEAD!**

This time Eocortex focused on creating features that allow you to react promptly to events in the system and ensure your peace of mind in any situation.

This is not just a software update, but tools that you need to act quickly in an ever-changing world. Achieve instant response and stay one step ahead of potential threats!

AGENDA

About Eocortex company

4.2 RESPONSES TO THE EVENTS QUICKER

Alarms Modernization

4.2 WORKS WITH THE SYSTEM AS YOU WISH

Customizable Hotkeys, New Mobile App, Web Client updates

4.2 ENSURES THE SECURITY OF YOUR VIDEO SYSTEM

Archive Access Depth Limitation, Linux OS updates

4.2 REDUCES YOUR COST OF SYSTEM OWNERSHIP

Decoding on several GPUs

4.2 EMPOWERS YOUR SYSTEM WITH NEW VIDEO ANALYTICS

NEW LPR and Fall Detection, updated Smoke and Fire detection

Special offers from Eocortex

EOCORTEX – MORE THAN 15 YEARS ON THE INTERNATIONAL MARKET

85+

countries

22

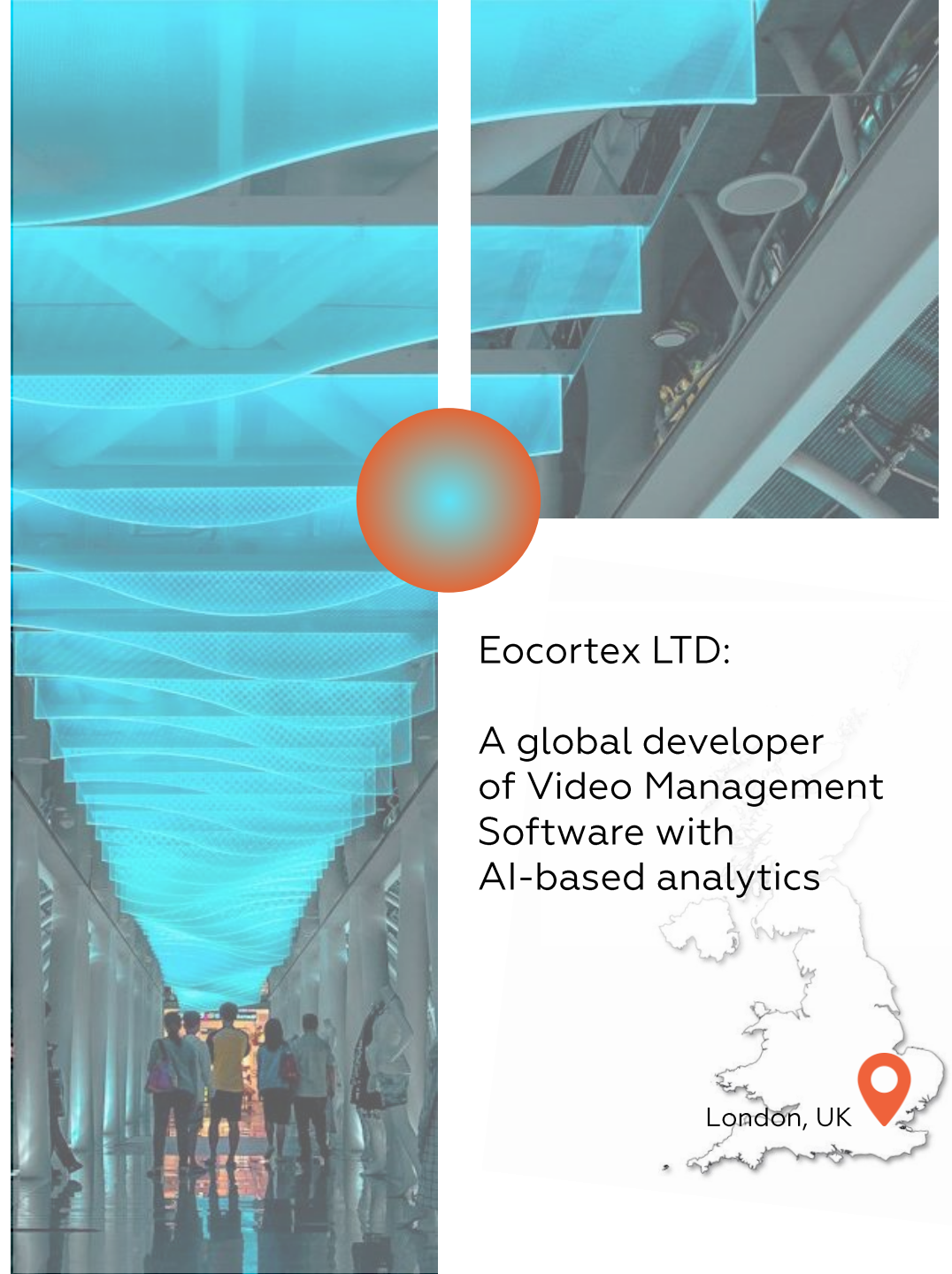
AI-based analytic modules

~ 15,000

projects implemented with Eocortex

~ 1,000,000

cameras operating on Eocortex



Eocortex LTD:

A global developer of Video Management Software with AI-based analytics

London, UK

THERE IS NO NEED TO CONTACT OTHERS

All components of Eocortex including video analytics are created by ourselves **in a single product** with no need for customers to contact different providers video management software or analytics

We make sure all products are **easy to setup and use**



4.2

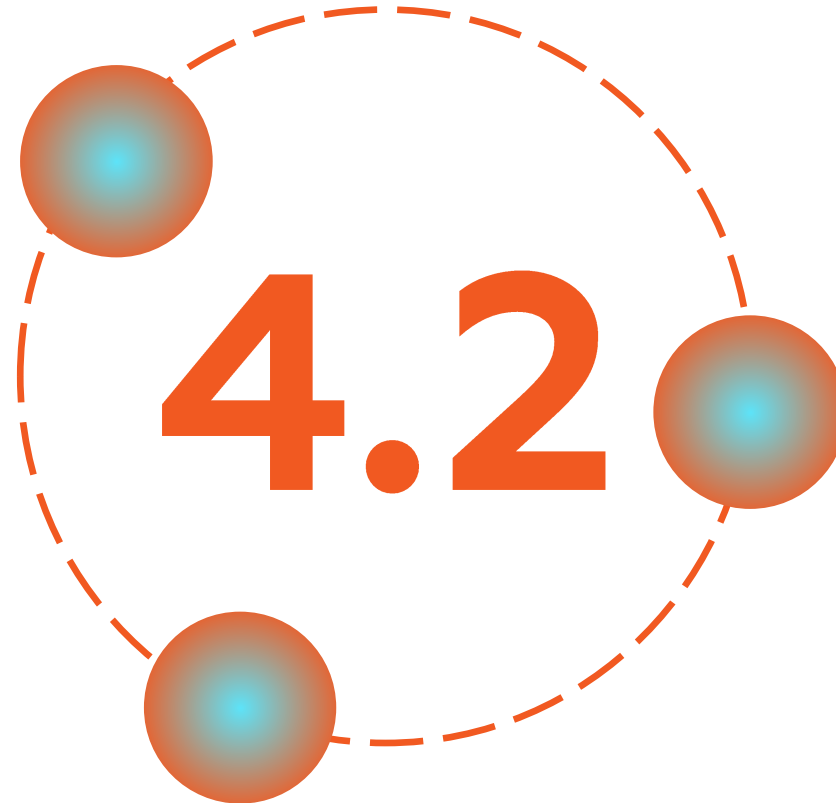
RESPONSE TO THE EVENTS QUICKER

Eocortex Alarms Modernization

ALARMS MODERNIZATION

The update makes your work with alarms flexible and intuitive

New architecture for working with alarms



New interface for displaying alarms

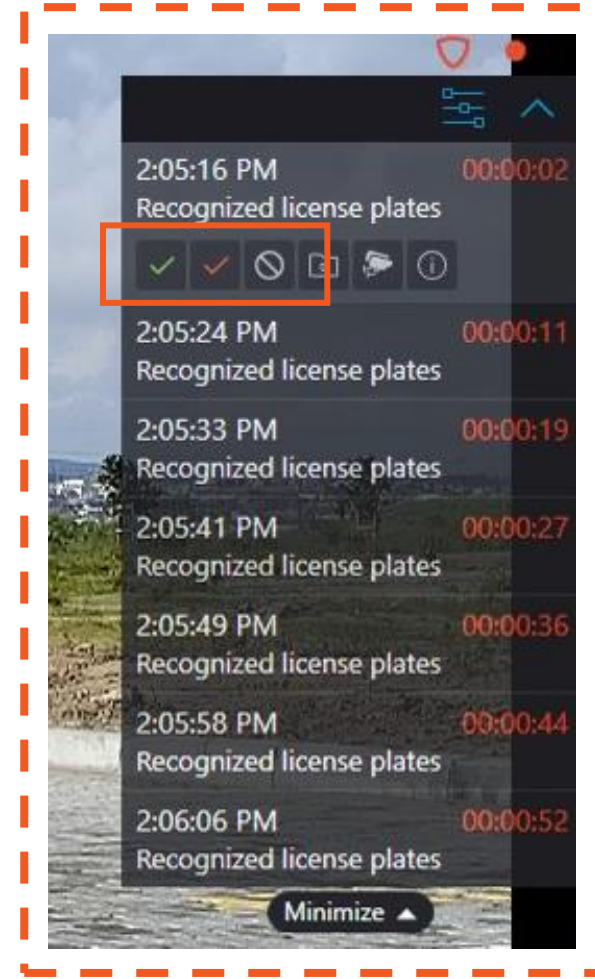
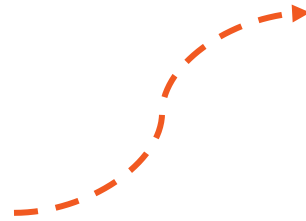
New tools for alarms handling

NEW TOOLS FOR ALARMS HANDLING

Now alarms are simple to:

- Accept
- Mark it as false
- Ignore

A queue of active alarms allows you to consistently handle emerging events and not miss new ones



NEW TOOLS



Nearby cameras



Alarm card



Go to archive

NEW TOOLS



2:05:16 PM 00:00
Recognized license plates
✓ ✓ ✗ 📁 🗨️ ⓘ

2:05:24 PM 00:00
Recognized license plates

2:05:33 PM 00:00
Recognized license plates

2:06:06 PM 00:00:52
Recognized license plates

Minimize ▾



Look at what's going on around

Tracking event

Information

Date and time	13.02.2024 11:07:50
Event type	Tracking event
Status	Active 00:51
Source	Camera 2

Learn basic alarm information and alarm instructions



Understand what happened, in one click

NEW INTERFACE

- 01** Visually clear alarm handling
- 02** Custom color of the cell frame
- 03** Custom sound for every alarm
- 04** In the archive, the object for which the alarm was triggered is highlighted with a frame
- 05** Custom text notification

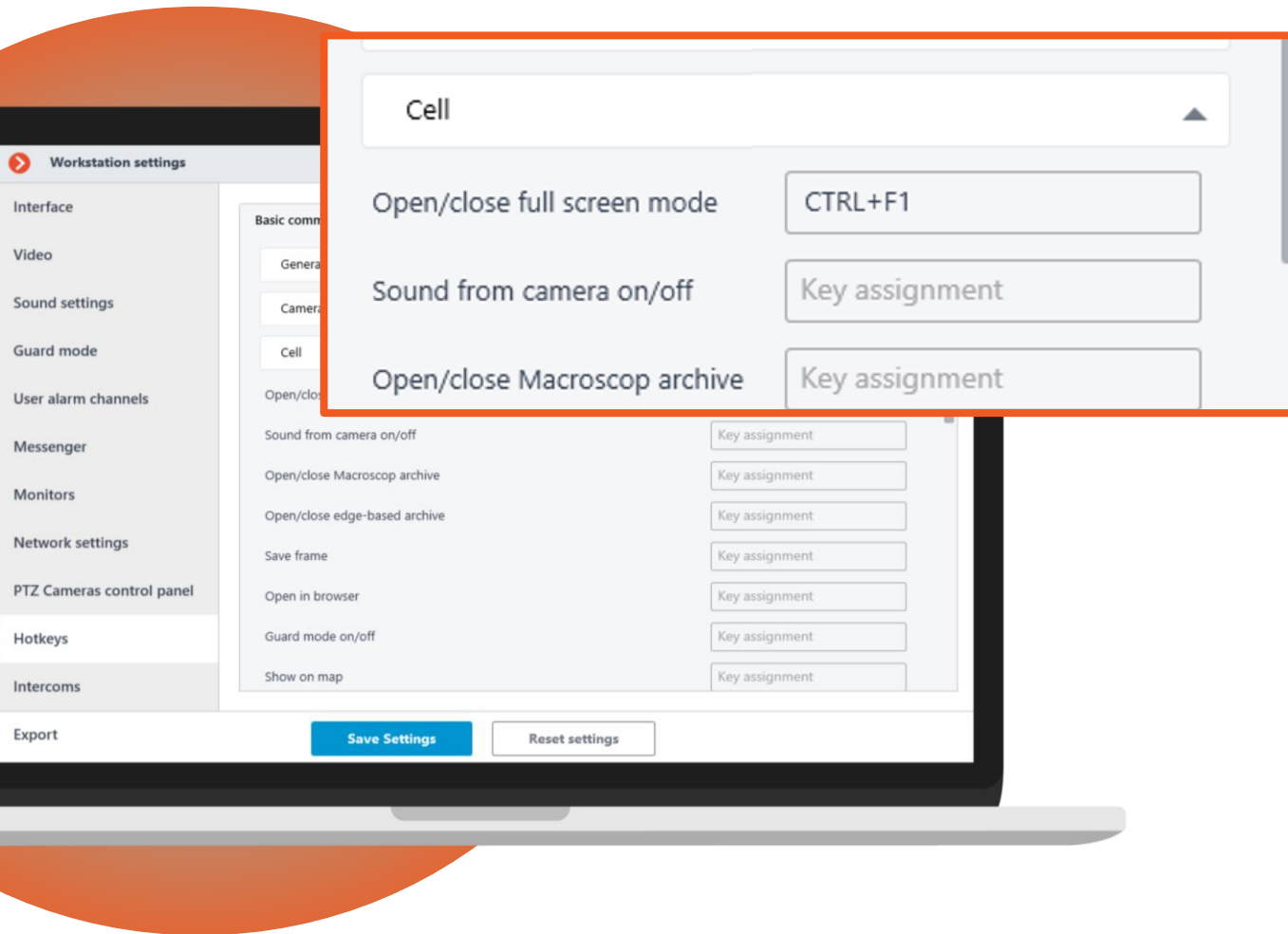


4.2

WORK WITH THE SYSTEM AS YOU WISH

Customizable Hotkeys, New Mobile App, Web Client updates

CUSTOMIZABLE HOTKEYS



45

custom hotkeys in Eocortex Client

SYSTEM FLEXABILITY

by personalizing the operation

IN 2 KEYSTROKES

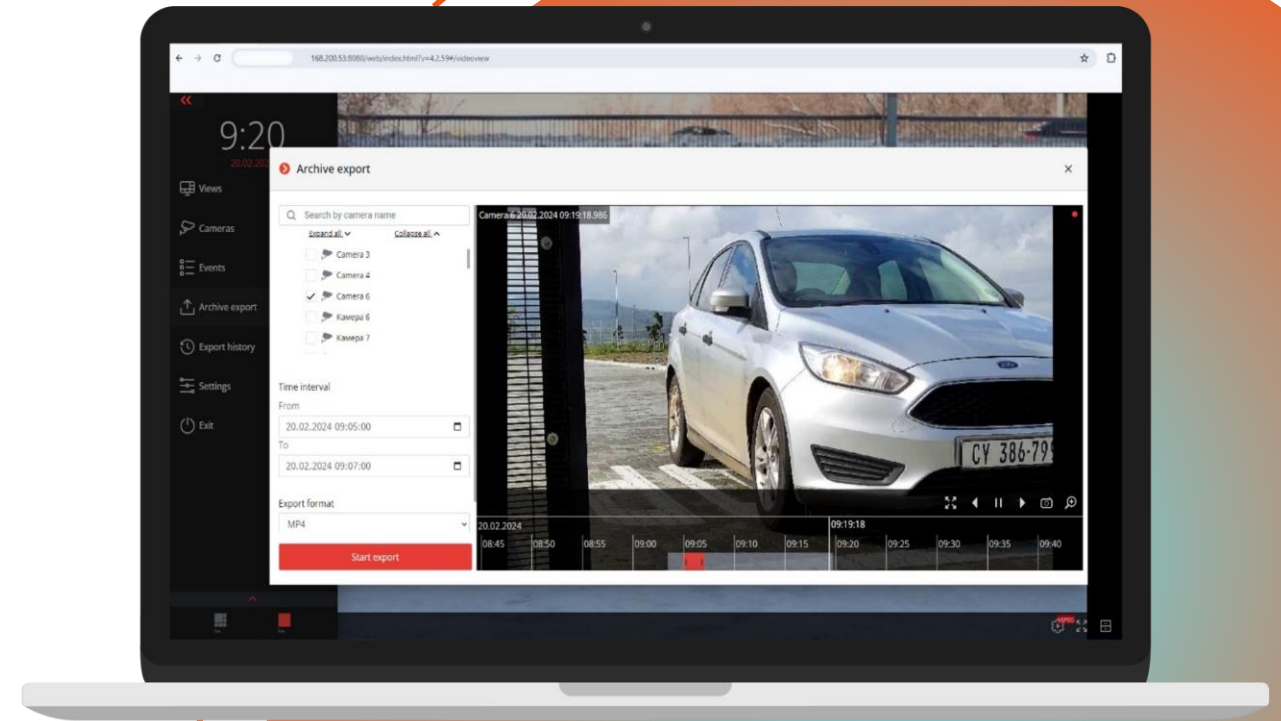
perform routine tasks

Take these actions even faster - opening a barrier, checking a specific camera, opening the right view, etc.

WEB CLIENT ARCHIVE EXPORT AND VIEW EDITOR

Now you can:

- save important parts of the archive right from the web client
- monitor the export status and re-export the required clips within a day
- watch server views and create custom views in the web client

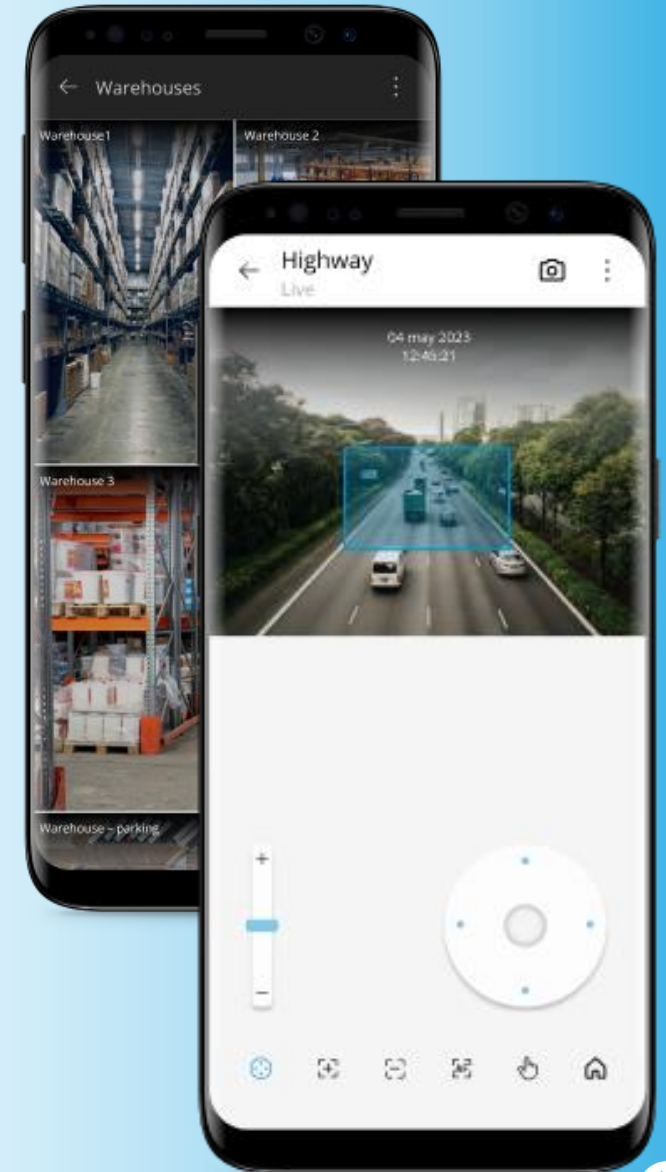


FOCUS ON WHAT MATTERS!

New mobile application for Android:

- **Improved** application responsiveness
- Easy connection to the server using a **QR code**
- Unique user experience with **an adaptive grid**
- Login to the account from any device with **an authorization service**
- Focus on distant objects in the frame, switching between them quickly and easily with **PTZ**.

Download now:



The old Android app will be removed from Google Play in June 2024

*The IOS application continues to operate as before. The new IOS app will be released in beta mode in June 2024

4.2

ENSURE THE SECURITY OF YOUR VIDEO SYSTEM

Archive Access Depth Limitation, Linux OS

ARCHIVE ACCESS DEPTH LIMITATION

Flexible configuration of access rights helps to reduce the risk of information leakage and increase data confidentiality

Access only to the required part of the archive

Different groups of users have access to the archive based on their roles, responsibilities and work hours.

It is possible to configure the viewing depth limit in minutes, hours, days

NEW LINUX OPERATING SYSTEMS AND FLATPAK TECHNOLOGY

- All Linux clients can now be installed via a single Flatpak installation point
- Installation is possible both offline and online.

Eocortex Server

- CentOS 7
- Debian 11, **Debian 12**
- Ubuntu 20.04, **Ubuntu 22.04**

Eocortex Client

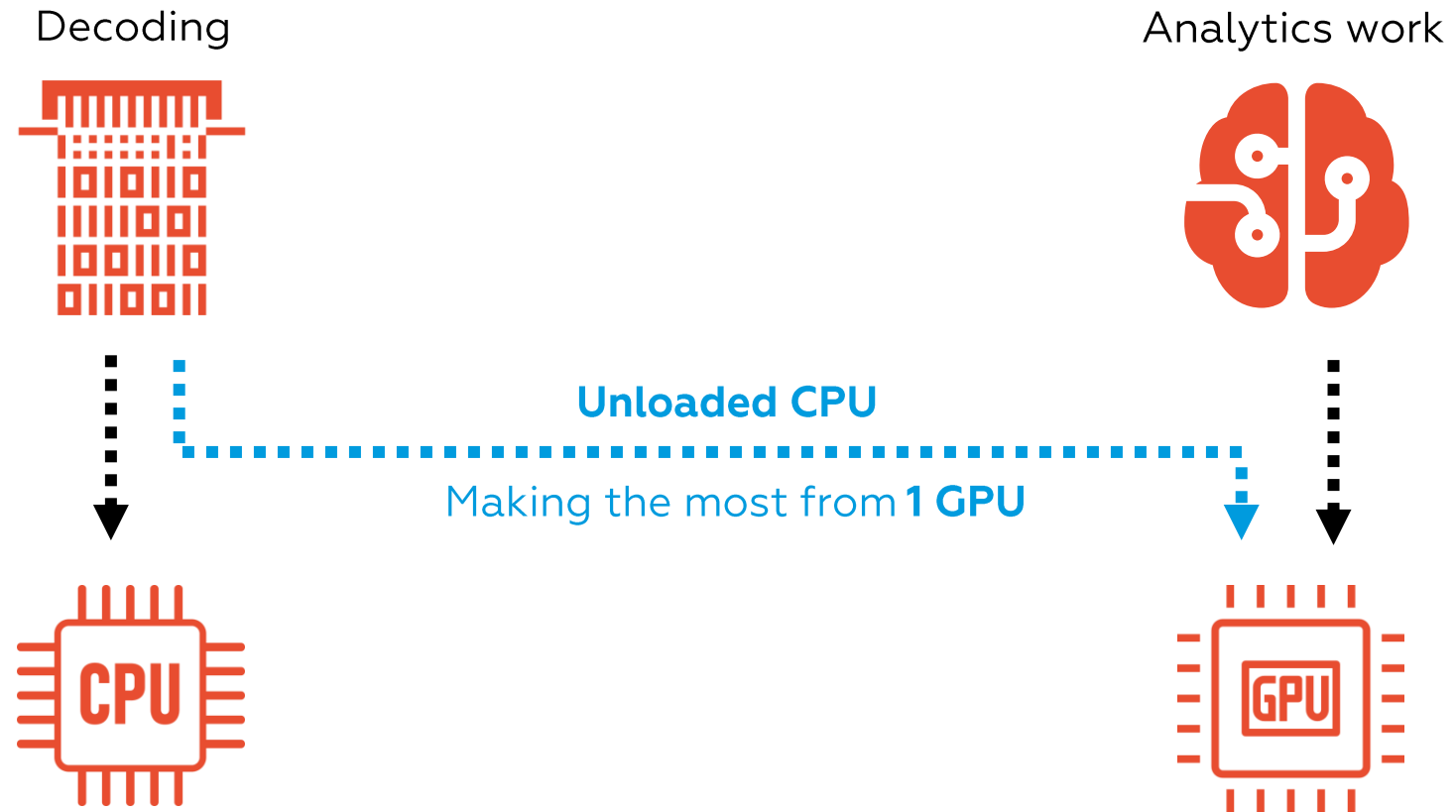
- **Debian 11, Debian 12**
- Ubuntu 20.04, **Ubuntu 22.04**

4.2

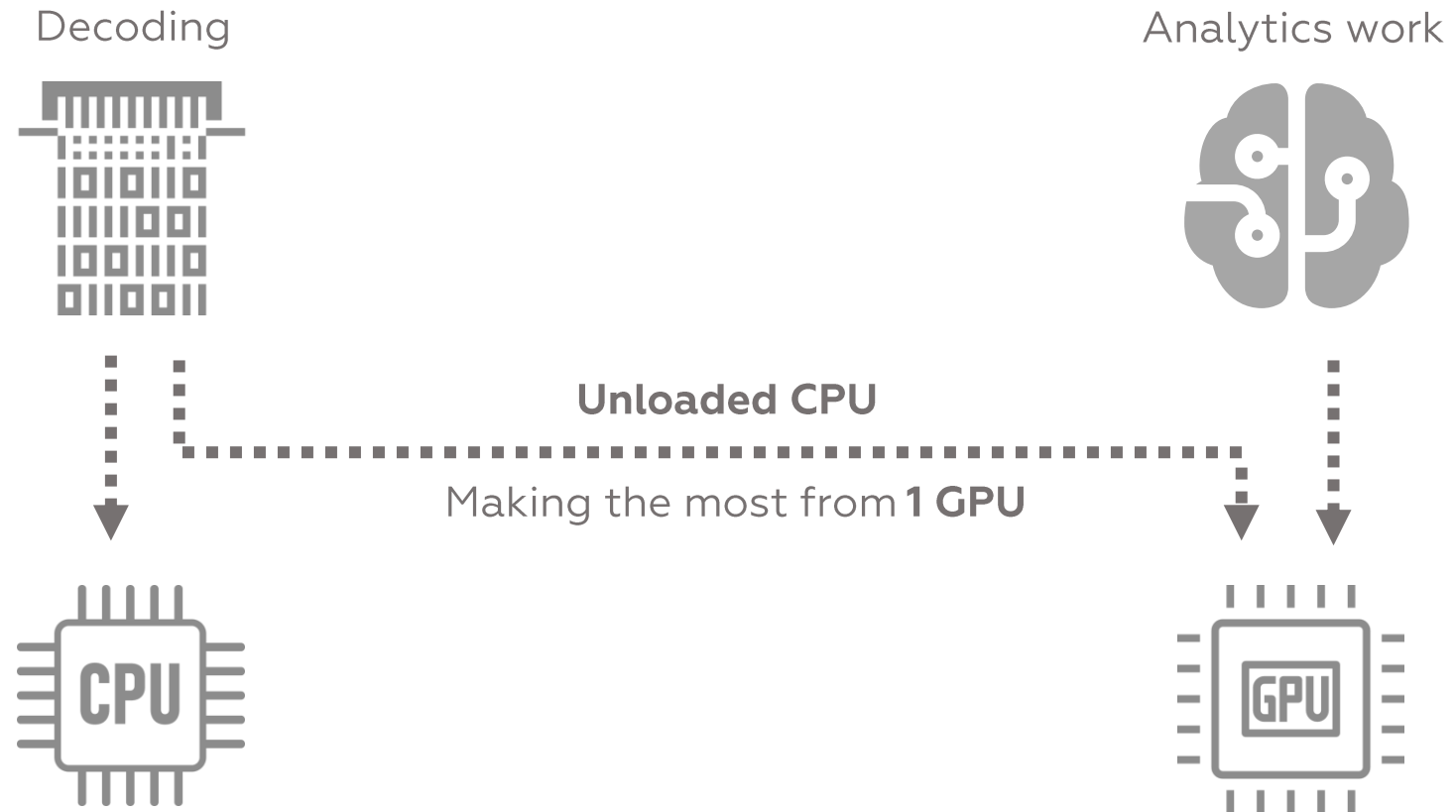
REDUCE COST OF OWNERSHIP

Decoding on several GPUs

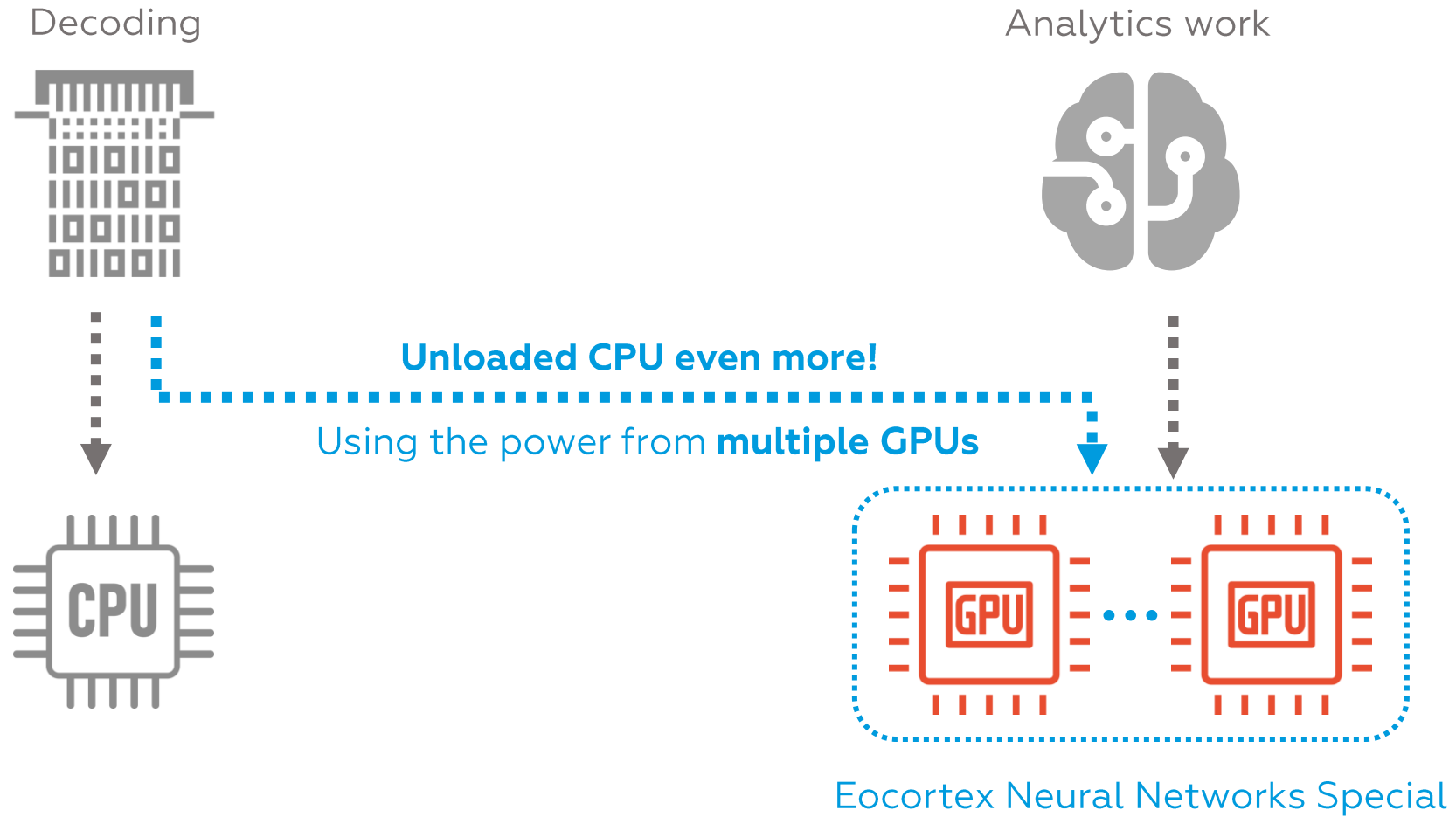
PREVIOUSLY



PREVIOUSLY



FROM VERSION 4.2



SEVERAL GPUS CAN BE USED FOR VIDEO STREAM DECODING



Reduced CPU even more *

it is possible to specify which video cards will be used for the decoding



Run up to 2 times more cameras on the same server by reducing the load on the CPU



Balancing system will ensure optimal load distribution between video cards during the system operation

4.2

EMPOWER YOUR SYSTEM WITH NEW VIDEO ANALYTICS

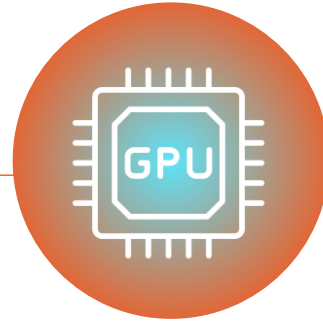
NEW LPR and Fall Detection, updated Smoke and Fire detection

NEW LICENSE PLATE RECOGNITION



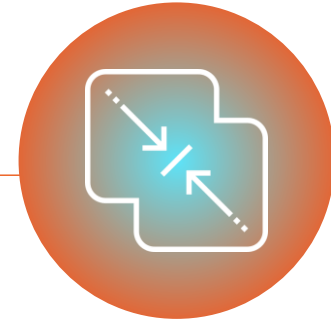
Higher Accuracy

Boosting accuracy up to 10% higher. Improvements can be done faster



Flexibility

Recognition is now template-free and can be performed on GPU



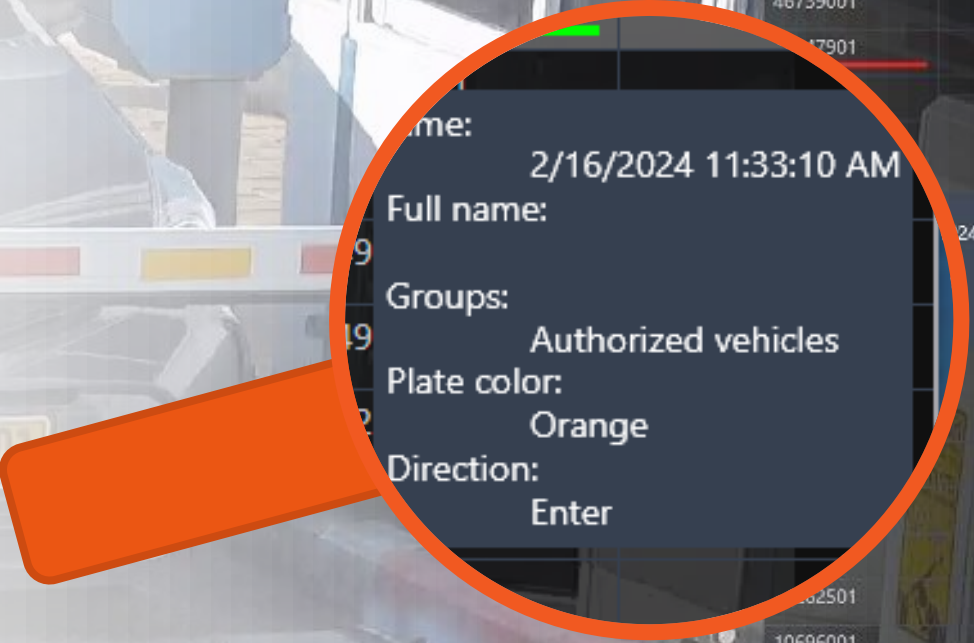
Single solution

AI module combines parking and highway tasks into a single solution

NEW LICENSE PLATE RECOGNITION

With the new License Plate Recognition module you can:

- run up to **3-4 times more channels** than with the Light and Complete modules, thanks to using video card
- recognize license plates without being bound to the official templates of a specific country
- set up scenarios to **detect vehicles by license plate color**
- **easily switch** from old car number plates to new ones, all databases will be saved



Time: 2/16/2024 11:33:10 AM
Full name:
Groups: Authorized vehicles
Plate color: Orange
Direction: Enter

FALL DETECTION MODULE

Neuroanalytical technology and human movement algorithms for swift detection and response to person falling.

- Set the detection frequency (the higher it is, the faster the fall will be detected)
- Set detection zones to avoid false alarms



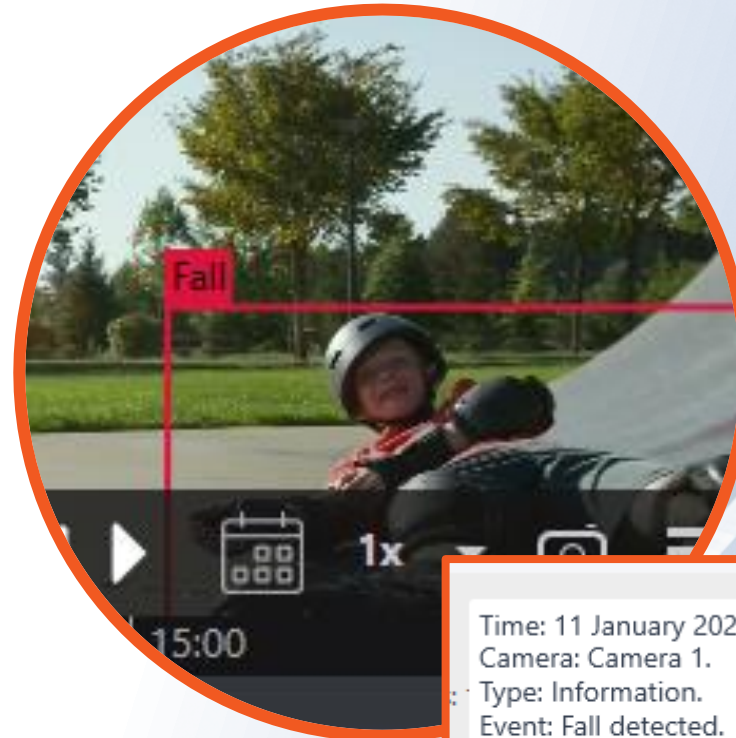
Instantly find out about workplace or construction site injuries



Provide immediate medical attention to elderly and vulnerable people in care facilities



Provide quick help in public areas such as, busy hotels or parks



Time: 11 January 2024, 11:12:52.626
Camera: Camera 1.
Type: Information.
Event: Fall detected.
Initiator: External module.
Description: Camera 1. Fall detected - Area.
Fall Detection.
ive.



IMPROVED SMOKE AND FIRE DETECTION

Improved neural network allows to:

- swiftly detect fires, reducing false alarms by up to 3 times
- boost accuracy up to 20% higher
- detect long-distance fire in open areas, even there's low-visibility smoke to start with

The smoke detector now has two modes:

Smoke detection mode ⓘ

Movable smoke ▼



WHAT ELSE IS NEW?

Integration with ONVIF Profile A/C has been implemented

Face recognition modules now have Short delay mode

Automation scripts can now be configured to PTZ

The ability to output page-by-page reports via REST API has been added for some analytics

Added the ability to generate automatic reports to the Unique Visitor Counting module

Interaction with Episode archive service via REST API has been added

What else is new?

DOWNLOAD EOCORTEX 4.2 NOW

The new version is already available on the website!

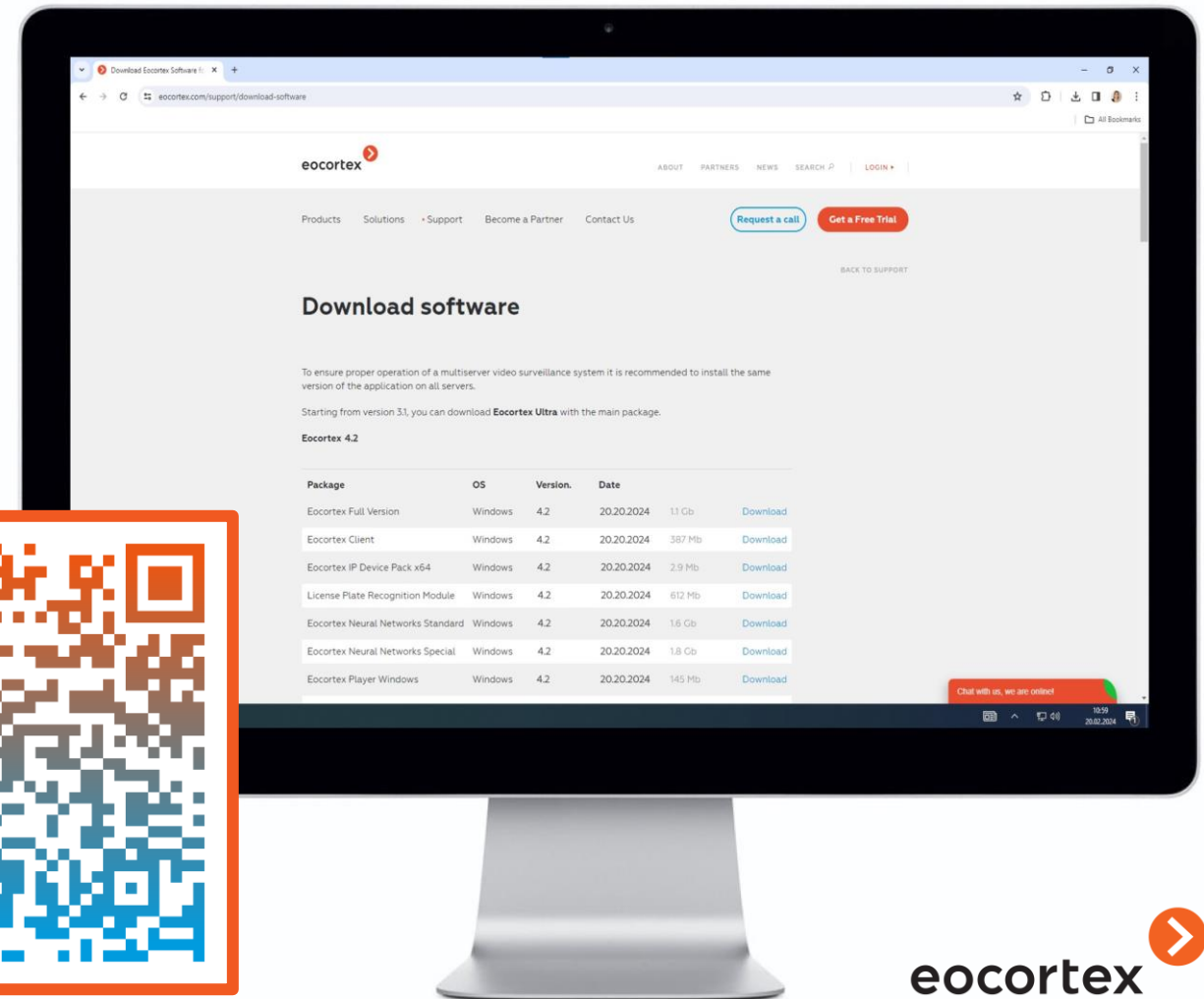
System update is free of charge for the existing customers

Fall Detection will be available free of charge for new ULTRA users

Smoke and Fire Detection will be improved automatically for its users

New License Plate Recognition is free for testing

and other novelties



WE ARE IN TOUCH:



Partner relations
managers

- Promo purchase
- Cooperation conditions
- Project estimate

sales@eocortex.com



Product managers

- Product feedback
- Comments regarding new features

ux@eocortex.com



Tech support

- In case you run into problems setting up Eocortex

support@eocortex.com