



Eltex Enterprise Security: Organizing Video Surveillance and Access Control Systems Using In-House Solutions

Dmitriy Pinchuk

Engineer, IoT Service Center



Equipment and platform for integration



Camera



PACS



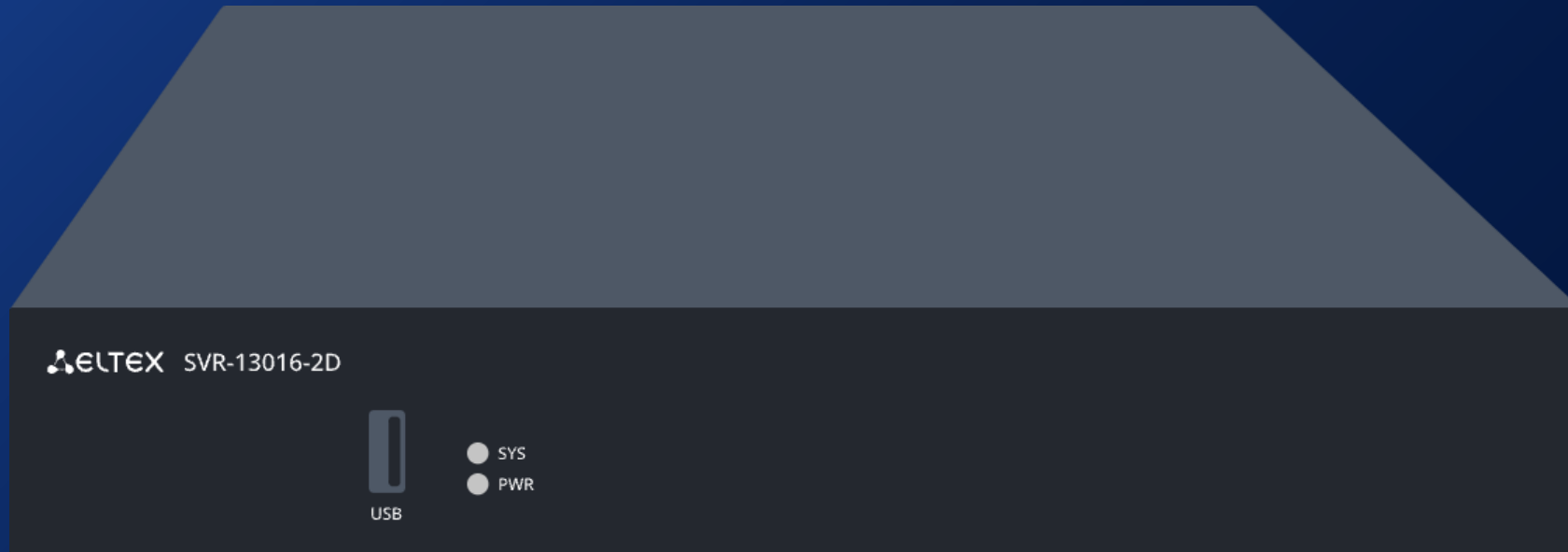
EVI

Video surveillance cameras



Feature	SV-BB341Z-E2B/E4D	SV-BA314-E (rev.B)	SV-BA331-E4C	SV-BA301-E (rev.B)
Resolution	2 MP/4 MP (1920×1080/2560×1440)	4 MP (2560×1440)	4 MP (2560×1440)	4 MP (2560×1440)
Sensor	1/2.8" / 1/1.8"	1/2.7"	1/2.7"	1/2.7"
Wide dynamic range	True WDR 120 dB	DWDR	DWDR	DWDR
Video compression	H.265/H.264	H.265/H.264	H.265/H.264	H.265/H.264
Protection level	IP67	IP67	IP67, IK10	IP66
Power supply	DC 12 V / PoE (mode A, mode B)	DC 12 V/ PoE 802.3af	DC 12 V/ PoE 802.3af	DC 12 V/ PoE 802.3af
IR range	up to 80 m	up to 40 m	up to 40 m	up to 40 m
Storage	1×MicroSD (up to 256 GB)	1×MicroSD (up to 512 GB)	1×MicroSD (up to 512 GB)	1×MicroSD (up to 512 GB)

Preparing for launch



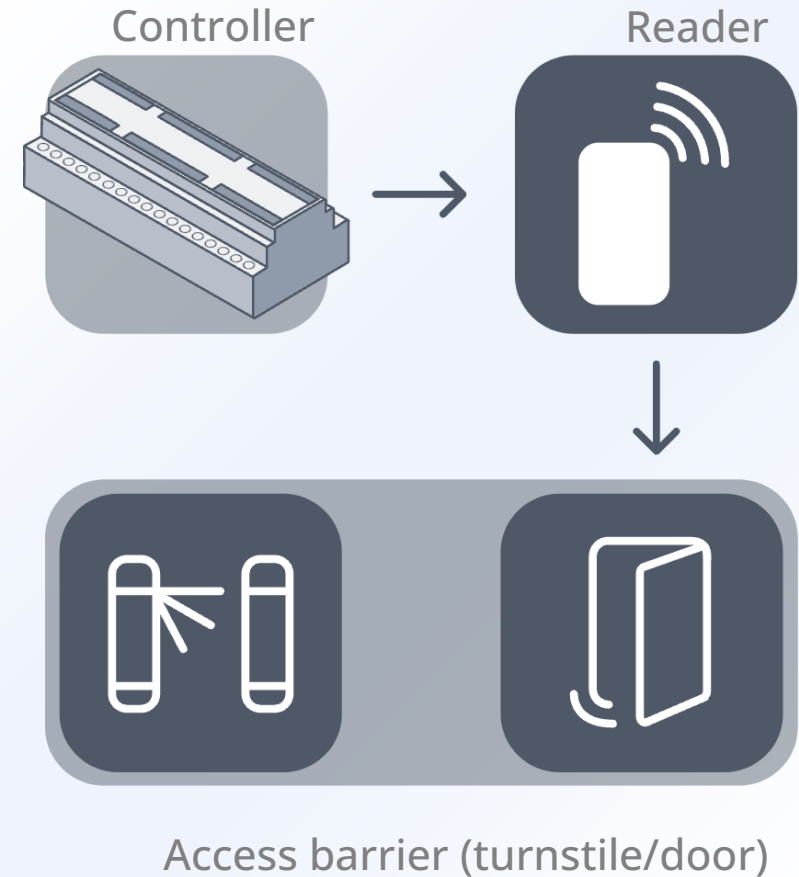
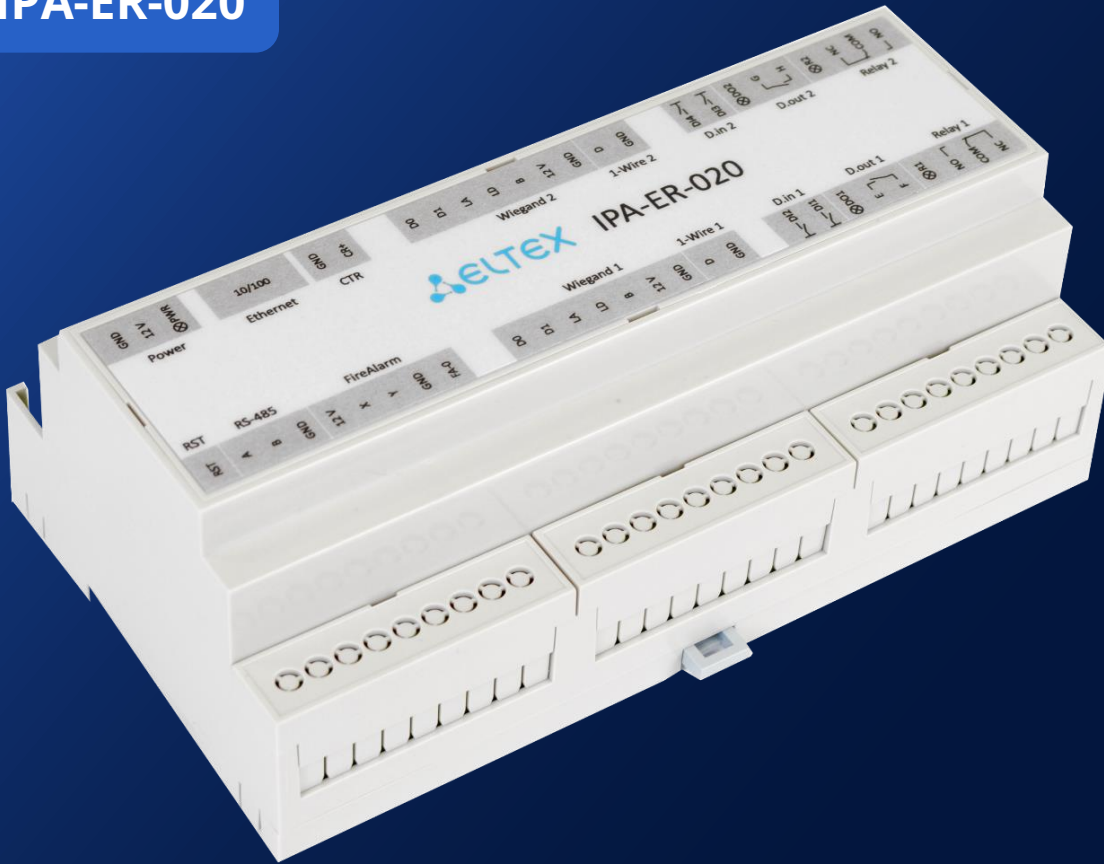
Coming: 2026 year

Access control

Controller with full integration with EVI Platform



IPA-ER-020





Perimeter

Module for centralized video surveillance at a site

Analytics

Intelligent video analytics module with the ability to detect objects, vehicle license plates, line and perimeter crossing

SCUD

Access control and management module for exit/entry control

EVI Perimeter



- Configuration 
- Management 
- Logging 
- Archive 

Video surveillance > Monitoring

Monitoring

admin

Search

Parking & Turnstile view 4/4

PTZ control

Parking & Turnstile view

2025-11-25 08:21:25
cam30gate-1

2025-11-24 07:42:36
cam10gate-1

20-10-2025 10:01:48
cam1HallA-2

07-27-2026 Mon 10:47:09
Camera 01



PACS
automatization
based on Eltex
controllers



Devices > Controllers

Controllers

Register automatically

+ Add controller

New kit

Add filter +

Filter

Save Reset

Name	Location	Relay 1	Relay 2	IP-address	MAC-address	S/N	Version	
☐ FCEE000026	☐ Company area	☒ Company area ☐ Company area	☒ Company area ☐ Company area	10.30.53.43	E4:5A:D4:DE:E8:A3	FCEE000026	3.3.0 build 41	...
☒ FCEE000044	☐ Company area	☒ Company area ☐ Company area	☒ Company area ☐ Company area	10.24.96.66	E4:5A:D4:DE:E8:B5	FCEE000044	3.2.0 build 68	...
☐ FCEE000137	☐ Company area	☒ Company area ☐ Company area	☒ Company area ☐ Company area	172.16.1.127	E4:5A:D4:DF:02:9C	FCEE000137	3.3.0 build 41	...
☐ FCEE000301	☐ Company area	☒ Company area ☐ Company area	☒ Company area ☐ Company area	192.168.50.71	E4:5A:D4:DF:16:F2	FCEE000301	3.3.0-202607130...	...

Records: 4



Basic



Advanced

Basic analytics

Motion sensor



Video surveillance > Translation

Translation

Q Camera search

Building 2_1 (Working area)

Building 2_2 (Office 307)

Building 3_3 (Working area)

FCGE001127

Gate 1

Parking garage

Room motion

Turnstile 2_1

Room motion

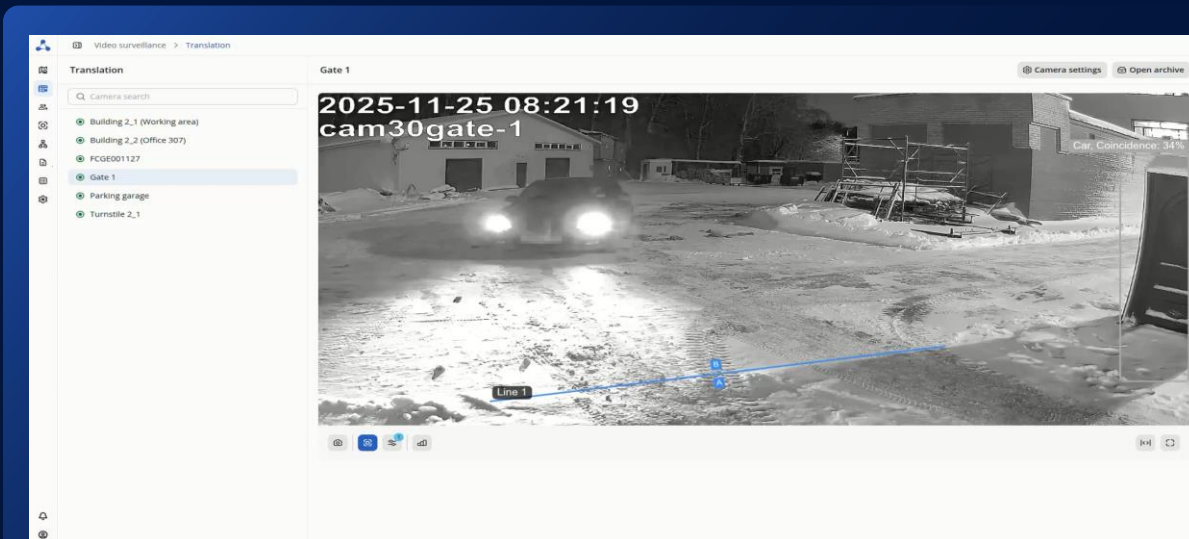
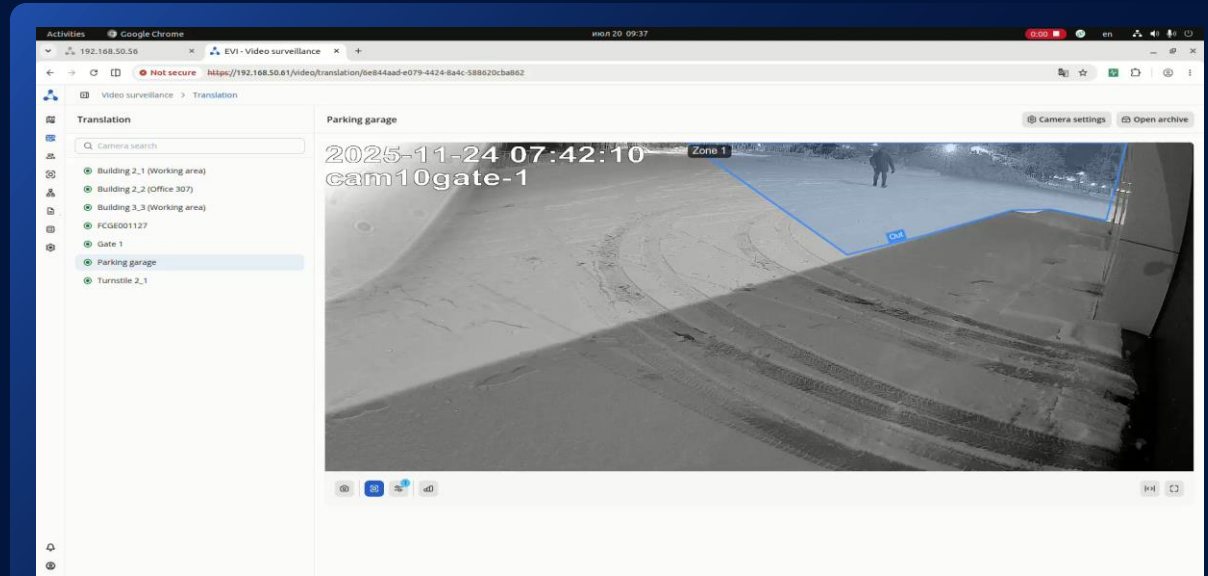
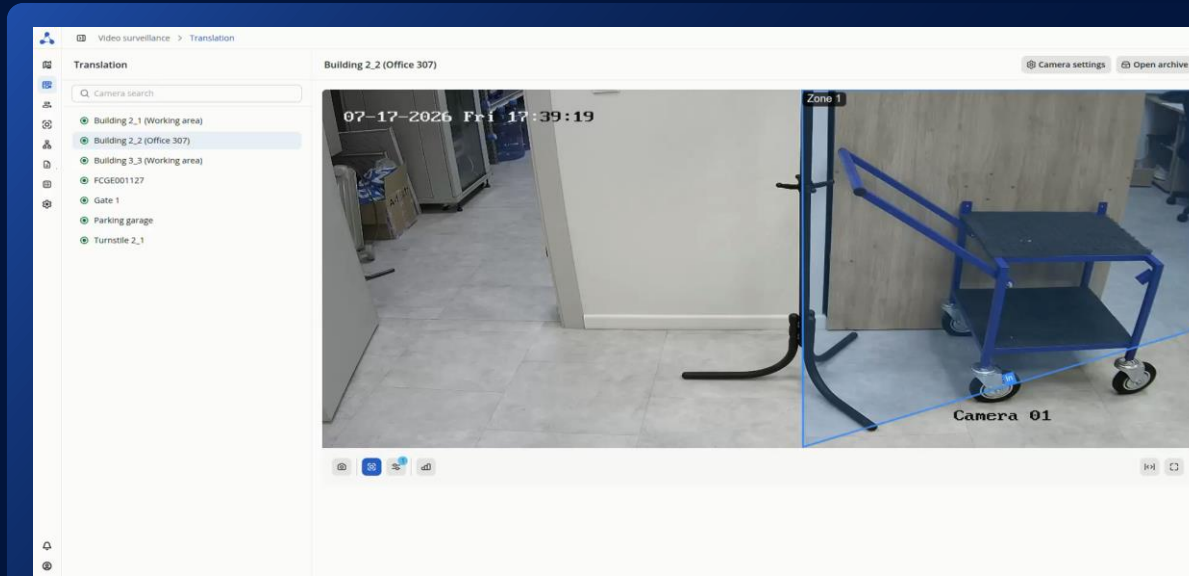
2026-07-20 12:3

Motion 0

Notification • 11:24
Room motion: Motion detected in Company area
Go to camera

Notification • 11:24
Room motion: Motion detected in Company area
Go to camera

Basic analytics package



- Perimeter exiting
- Perimeter entering
- Line crossing

Face recognition

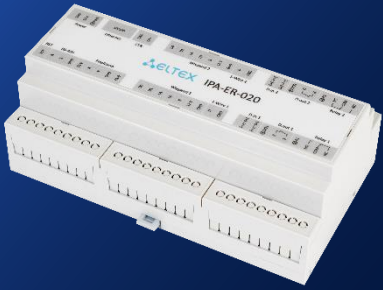


Analytics operation example

IPA-ER-020

Access controller

Third-party camera



- Support for TCP, DHCP
- 10/100 BASE-T (RJ-45)
- 2 × Power relay outputs with COM, N.O., N.C. contacts
- 2 × Wiegand
- 1 × RS-485
- Operating temperature: from -40 to +60 °C

- 2 MP (1920×1080)
- 2.8 mm focal distance
- Connection via Onvif



Face recognition. List-based operation



- Allowlist of faces
- Blocklist of faces

The screenshot shows a web application interface for managing face lists. The browser address bar shows a local URL: `https://192.168.50.61/lists/faces`. The page title is "EVI - Lists" and the breadcrumb is "Lists > Faces".

On the left is a sidebar menu with the following items: Access levels, Access calendars, Pass list, Video analytics, Devices (expanded), Cameras, Controllers, Updating devices, Journals (expanded), Common, Critical, Passages, Time tracking, Lists (selected), Vehicles, Vehicle groups, Faces, Face groups, System settings (expanded), Users, Roles, License, Notifications on, and admin.

The main content area is titled "Faces" and includes a "+ Add face" button in the top right. Below the title is a dropdown menu set to "All" and a "Filter" button. An "Add filter +" button is also present. A table displays the face list with the following columns: Owner, Video analytics, Groups, and Comment. The table contains one record with a profile picture, the name "Off", and the group "Workers". A "Records: 1" indicator is at the bottom left of the table area.

Owner	Video analytics	Groups	Comment
	Off	Workers	

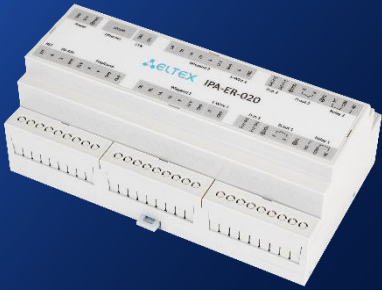
Vehicle license plate recognition



Analytics and controller operation example

IPA-ER-020

Access controller



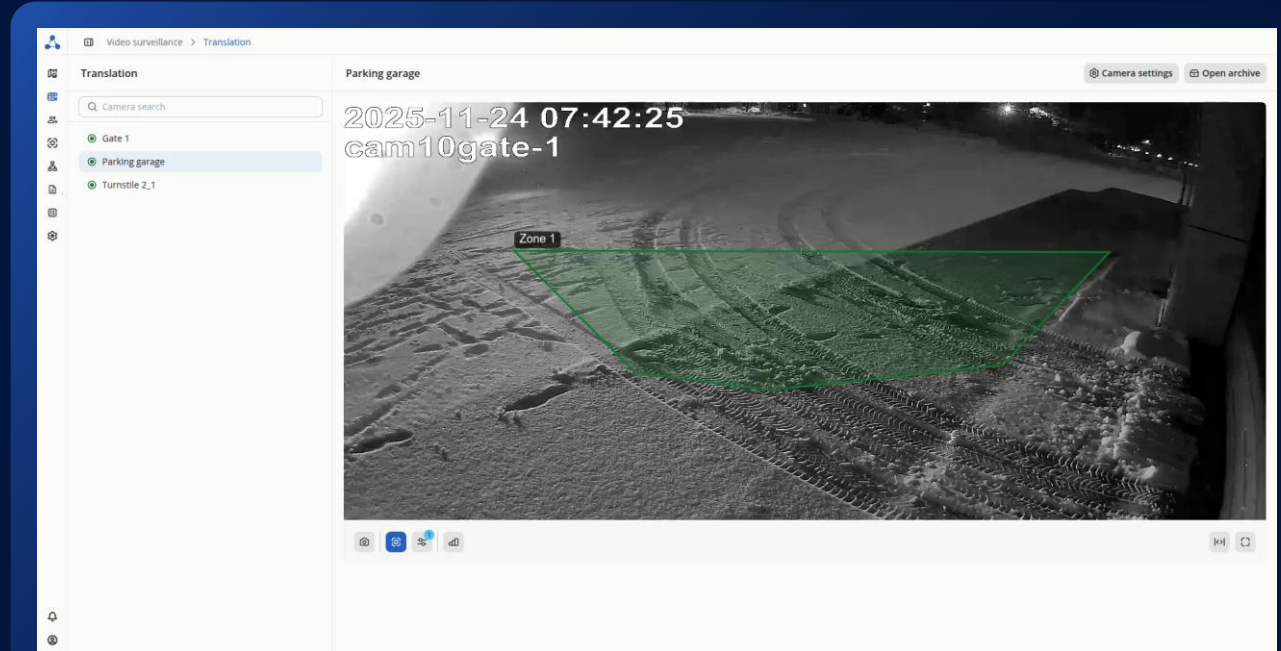
- Support for TCP, DHCP
- 10/100 BASE-T (RJ-45)
- 2 × Power relay outputs with COM, N.O., N.C. contacts
- 2 × Wiegand
- 1 × RS-485
- Operating temperature range: from -40 to +60 °C

SV-BA301-E

Cylindrical camera



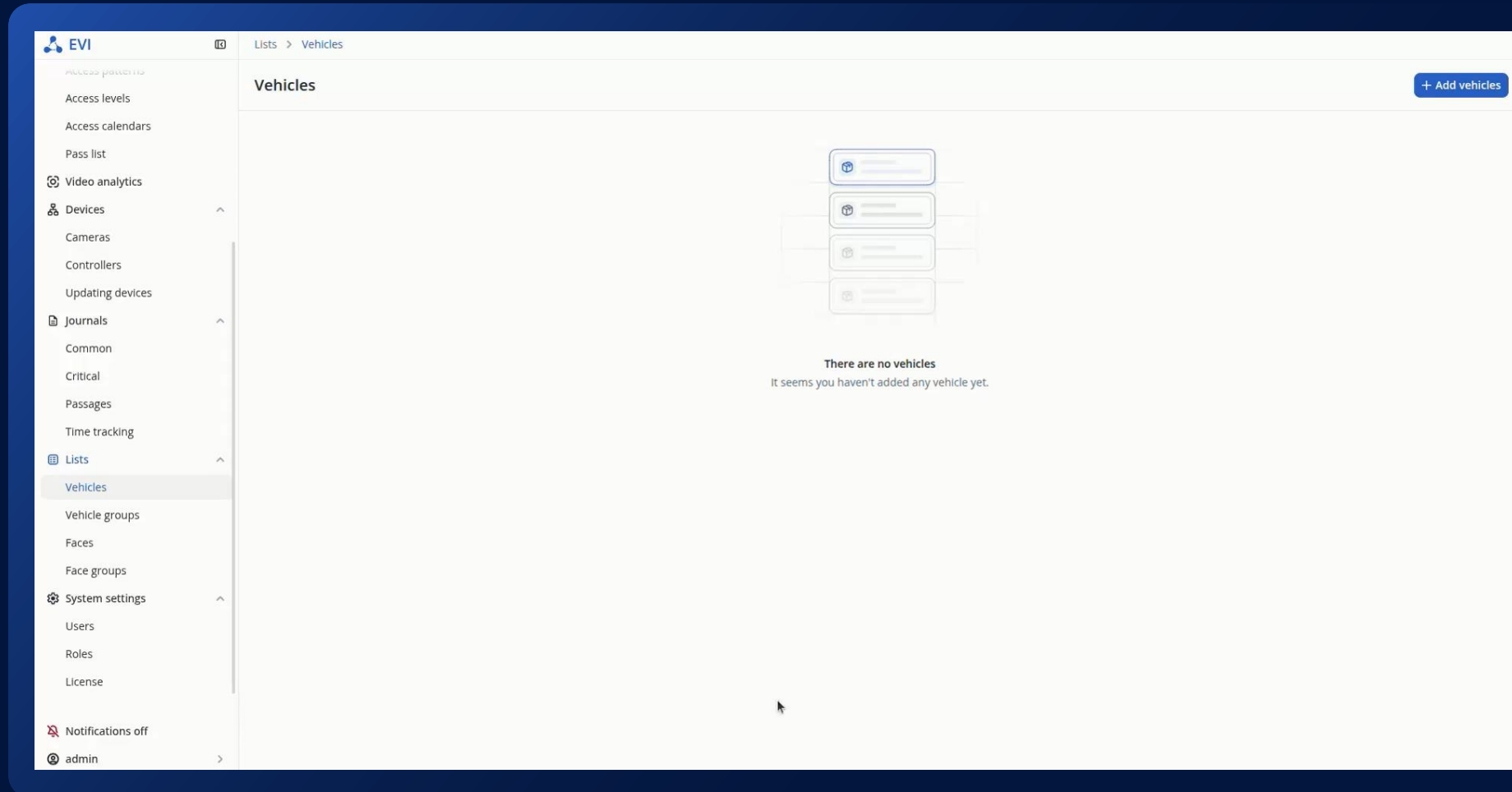
- 4 MP (2560×1440)
- 2.8 mm focal distance
- View angle up to 100°
- H.265/H.264
- DWDR, HLC, BLC,
- Built-in microphone
- Built-in speaker
- IR range up to 40 m
- DC 12 V/ PoE 802.3af
- Operating temperature range from -40 to +60 °C (≤90 %)



Vehicle license plate recognition. List-based operation



- Allowlist of license plates
- Blocklist of license plates

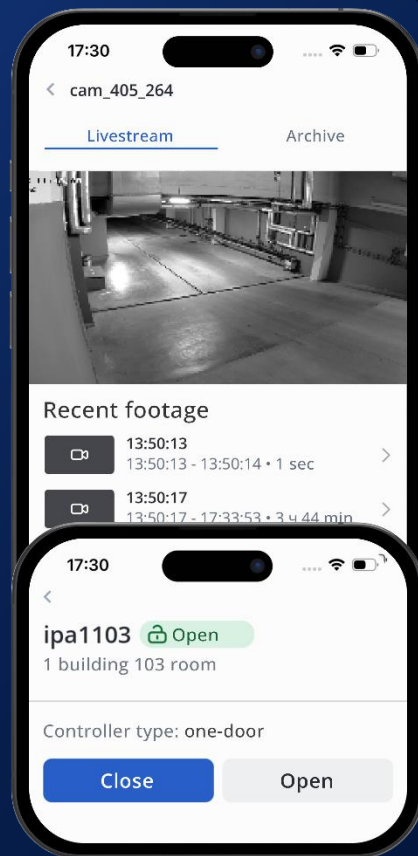


EVI mobile and desktop clients

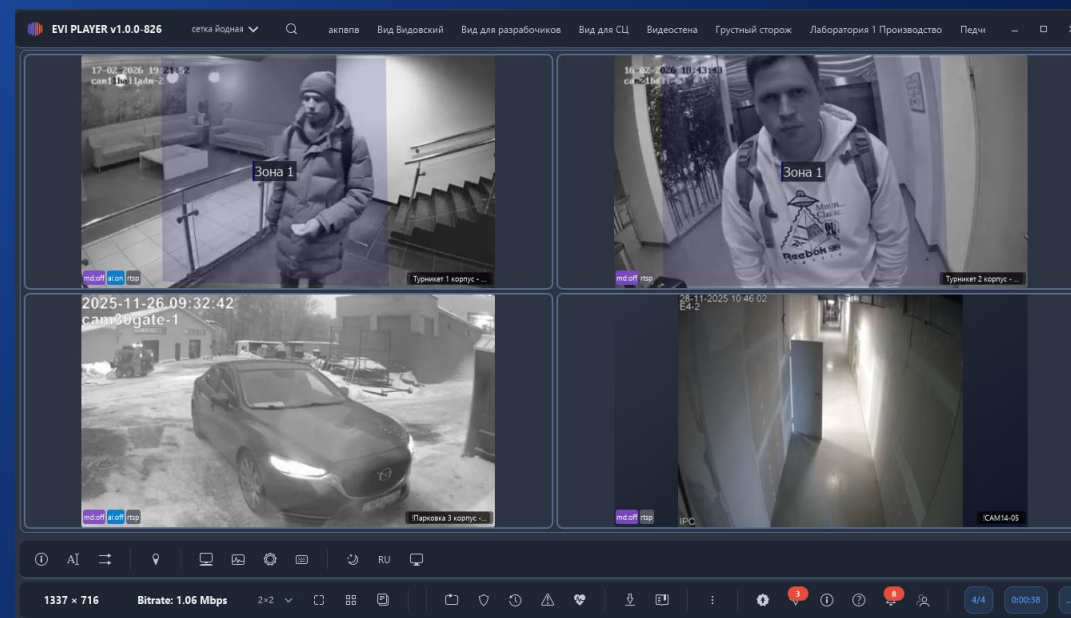


EVI Mobile client for Android and iOS

- Camera and archive viewing
- Checkpoint access
- Notifications and event journal



EVI Player (Windows/Linux)



Flexible integration

The two key benefits



Our cameras are easily integrated into third-party video-surveillance systems via ONVIF, RTSP



Our EVI platform accepts third-party cameras (ONVIF, RTSP)



Under development and on request



Detection of protective gear

- helmet
- glasses
- mask
- vest
- gloves



Detection of smoke or fire



Flexible **customization**
and development based
on your specifications



EVI usage in Eltex



After commissioning of the new 12-floor building, Eltex expanded the EVI Platform with:

- 400 cameras
- 230 controllers

EVI Platform is operated at Eltex Enterprise since March 2024, currently version 1.6.0 is in use

During this time, EVI has proven itself to be a high-performance and reliable solution for video surveillance and ACS tasks

EVI Platform statistics at Eltex:

- Number of cameras: 700+
- Number of controllers: 400+

Achieved goals



Building a robust
access control system



Connecting the video surveillance system
to the existing enterprise network
infrastructure



Organization of a
comprehensive 24/7 video
surveillance system



Process monitoring
at production facilities



Reducing dependency
on third-party software
and equipment



Preparing the video surveillance complex
for scalability



Project types



Video surveillance

- Video feed operation: saving to archive, playback and export
- Live video feed monitoring
- Interactive plan and access management
- Desktop client and mobile app



EVI Platform / NVR



Cameras



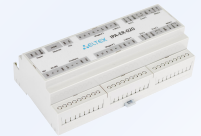
PoE switches

Access control

- Checkpoint management and monitoring
- Access pass and staff management
- Incident notifications
- Desktop client and mobile app



EVI Platform



Controllers

Video surveillance, analytics and access control

- Video analytics for access control: face recognition, number plate recognition
- Basic video analytics: motion, object recognition, entering and leaving a zone, line crossing
- Analytics-triggered saving to archive and tagging
- Desktop client and mobile app



EVI Platform / NVR



Controllers



Cameras



PoE switches

Business solutions



Office



Business solutions



Warehouse



Business solutions



Retail





Equipment available for testing



Software available for testing





Questions



We are always open to discuss, develop
and customize products to your needs



foreign.sales@eltex-co.ru



630047, г. Novosibirsk,
Okružhnaya street, 29V

Monday-Friday
09:00–18:00 (GMT+7)



eltex-co.com