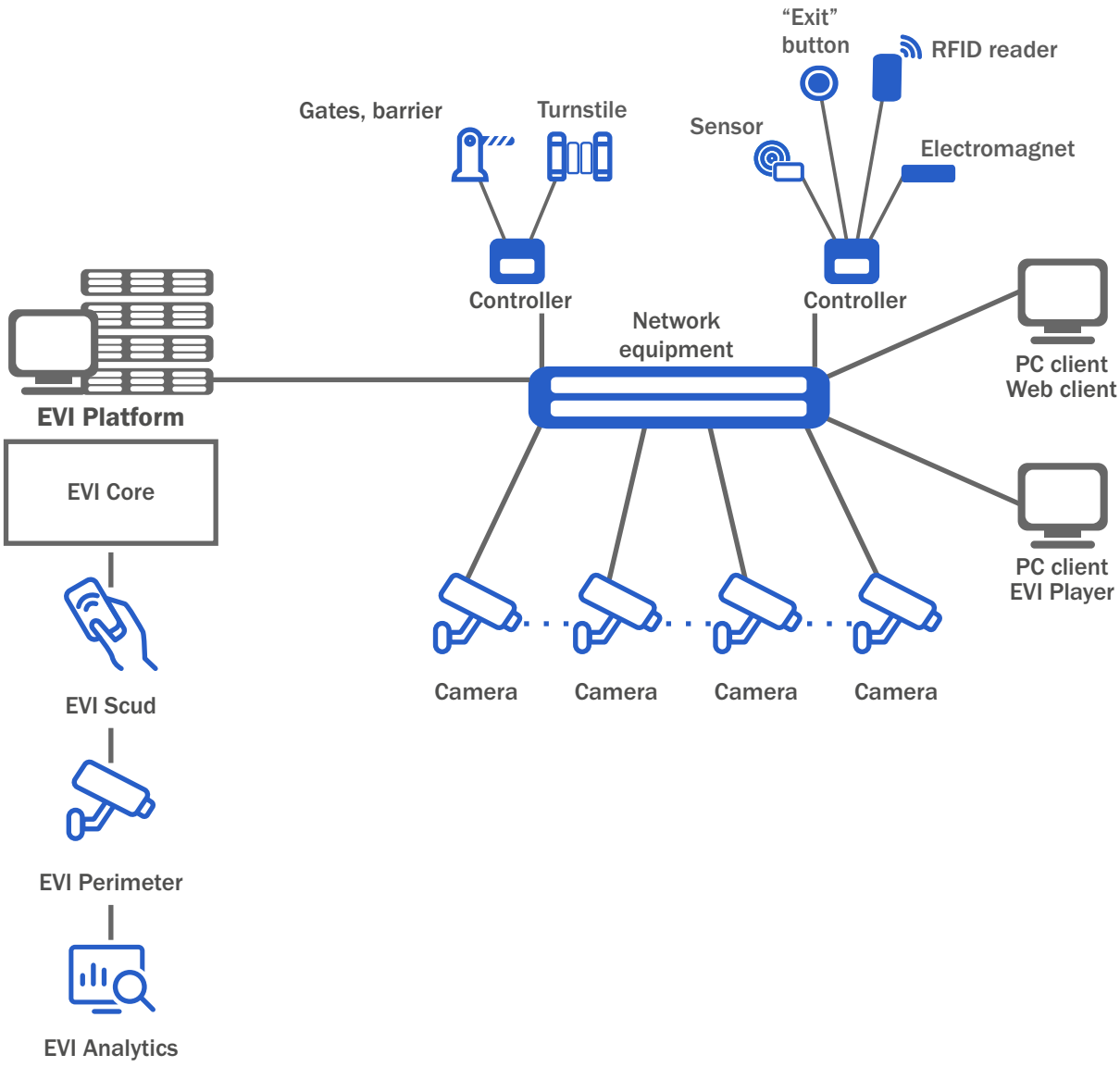
— **Video surveillance**
— **Physical Access Control System (PACS)**
— **Analytics**
— **User-friendly interface**

EVI Platform is designed to organize a unified system for management, configuration and monitoring of devices (controllers and cameras)[1].

EVI Platform includes:
– **EVI Core** is a platform core designed for configuring modules;
– **EVI Core Web** is a web GUI for system management;
– **EVI Scud** is a module of the access control and management system designed for organizing access control in the company;
– **EVI Analytics** is a video analytics module designed for detecting, recognizing, counting and tracking objects according to models;
– **EVI Perimeter** is a video surveillance module designed for receiving video streams from cameras and saving them to the archive;
– **EVI Player** is an application designed for viewing video streams from cameras and interacting with the video archive;
– **EVI Web Proxy** is a Linux application designed for viewing video streams from cameras and interacting with the archive of video recordings with H.265 codec via web interface.
– **EVI Mobile** is an app designed for Android and iOS mobile devices.

Use case



[1] Third-party cameras are supported, but only Eltex controllers are compatible.

Features and capabilities

EVI Core
– Interactive plan
– System logs
– Event notifications in the web interface
– Remote device rebooting
– Device update system
– Copying settings between devices
– Creating the organization hierarchy
– Support for administrator and security roles
– Creating custom roles and granting permissions for camera access (PTZ, Archive, and Live Stream)
– Granting permissions for camera access to the security role

EVI Scud
– Automatic addition of PACS controllers to the system
– Flexible access management according to the list of allowed places and visiting times
– Support for various work schedules from five-day to shift work schedules
– Securing the premises
– Tracking incidents in the platform with mandatory confirmation
– Site visits reporting
– Remote access
– Access to face and vehicle recognition
– Generation of employee profiles
– Access pass management
– Support for guest mode
– Support for time tracking
– Ability to rename discrete inputs (DI sensors)
– Arming individual sensors

EVI Analytics
– Processing surveillance camera video streams using analytics
– Supported types of analytics:
  – Motion detection
  – Face recognition
  – Vehicle license plate recognition
  – Object recognition (vehicles, people):
    – Entering a zone
    – Leaving a zone
    – Line crossing
– Configuring actions based on the result of recognition and detection
– Configuring analytics schedules
– Support for lists of license plates and faces outside the access control system
– Viewing analytics results in the desktop client interface and web interface

EVI Perimeter
– Integration with Eltex cameras
– Receiving video feed from video surveillance cameras
– Viewing live video feeds from cameras
– Combining streams from different cameras onto one screen in different configurations
– Recording video stream data to the archive in motion mode
– Recording video stream data to the archive in permanent recording mode
– Recording video stream data to archive in permanent recording mode + motion tagging
– Recording video stream data to archive in schedule mode
– Taking screenshots from the archive and camera feed
– Uploading videos from the archive
– Access to the video archive from the client interface and web interface
– Archive playback speed control
– Support for multiple video streams from a single camera
– Motion detection module on the server
– Support for video codecs: H.264, H.265
– Support for RTP/RTSP
– Visual client operation on Linux, Windows 10/11
– Import and export in csv format
– Adding cameras using ONVIF
– Support for PTZ
– Support for fisheye cameras
– Support for WebSocket between client and server
– Full screen mode
– Support for 3 or more monitors for video wall display
– Notifications for video analytics events
– Audio support for cameras in live streams and the archive

Network protocols
– TCP/IP
– HTTPS
– SSL/TLS
– RTP
– RTSP
– RTMP
– WSS
– ONVIF

Security
– Password protection
– Complex password
– HTTPS encryption
– WS-Username token, WS-Username basic for ONVIF
– SSL/TLS1.3

EVI Mobile app
– Viewing live feed and recorded footage from video cameras
– Viewing events in the archive
– Viewing, creating, and editing the video wall
– Viewing the list and profiles of guests and employees
– PACS devices management
– Viewing events from PACS devices
– Event logs:
  – General
  – Alarms

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About Eltex

Eltex Enterprise is a leading Russian developer and manufacturer of communication equipment with 30 years of history. Complete solutions and their seamless integrability into the Customer's infrastructure are the priority growth areas of the company.