

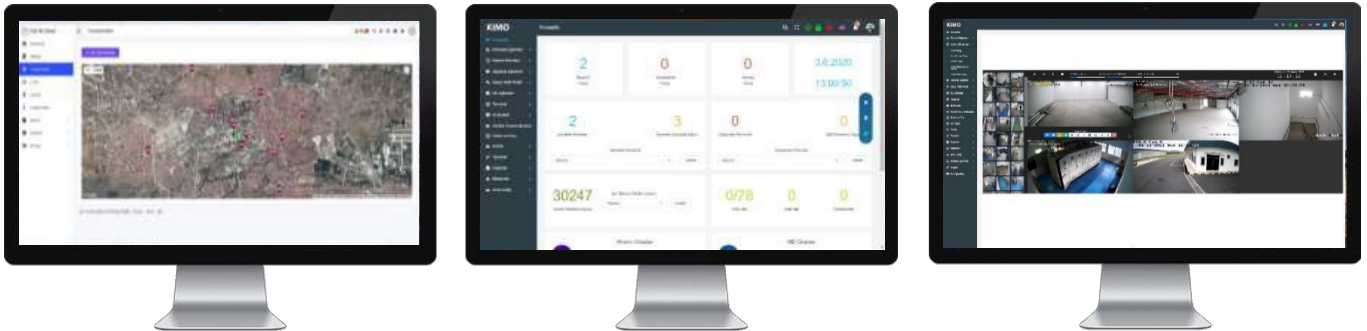
KIMO STMS

Security Threat Management System

SECURITY THREAT MANAGEMENT SYSTEM

INTEGRATED MANAGEMENT SYSTEM

Command and control of typical critical site is facilitated by Security Threat Management System (STMS) which provides security operators and management real-time situational security awareness status of the site. The system works with and manages the integration of various security subsystems, components and sensors to provide a common interface to operators in control rooms, security cabins and mobile patrol teams. The system consists of cyber and physical security layers. Security centers maximize situation awareness by ensuring that their personnel share the same environment, data and software.



STMS provides security operators with an integrated view and management of the facility security situation, with access to functions tailored to each operator's role. Users and operators track recorded events with various security and information system components and produce problem-oriented solutions. For example, an operator may monitor only a part of the facility or control a specific sensor. A typical critical infrastructure security control room would incorporate a number of work positions for operators and administrators of several platforms and related equipment.

- ✓ Platform includes; Perimeter Security Management System, Video Management System (VMS), Access Control System, Time & Attendance, Fire and Alarm Management, Strong Authentication and Management System, Building Management etc Strong Authentication and Management System with physical security layers, Threat Intelligence and Capture, Security Compliance Management includes cyber layers such as Trap, Endpoint Security, WAF, SIEM, DLP, IDS/IPS, Vulnerability Scanning and Evidence Collection/Analysis.

SAFETY & SECURITY

Fire, Intrusion, Video, Access etc..

- Environmental Safety
- CCTV
- Video Analysis
- Fire and Alarm
- Drone Detection & Prevention
- Access Control and Personnel Attendance Control
- License Plate Recognition
- Face recognition
- Body Camera
- Weapon Detection
- Security Robots/Vehicles

BUILDING

BA & HVAC

- Smart Transportation
- Smart Lighting
- Smart Parking
- Smart Building (BIM/BMS)

CYBER SECURITY & COMMUNICATION

Cyber, Information / Communication Security

- Computer Security
- Social Media
- Cyber security
- Secure Communication

OTHER

CRM, ERP ...

- Call center
- 3rd party integrations

Different Approach

Thanks to integrated software and hardware, our system optimizes and manages the users of control cards, panels, relevant end-point sensors and readers, management software and all other related software, thus reducing the total cost of ownership and increasing operational sustainability.

Perimeter Security System (PSS)

Our PSS module, a hardware-independent security management system, provides integrated management of events from different sources, including sensors, video analytics platforms and other security devices with different types and technologies.

Its visual, map-based interface provides an integrated user experience for operators managing everything from daily routines to crisis situations.

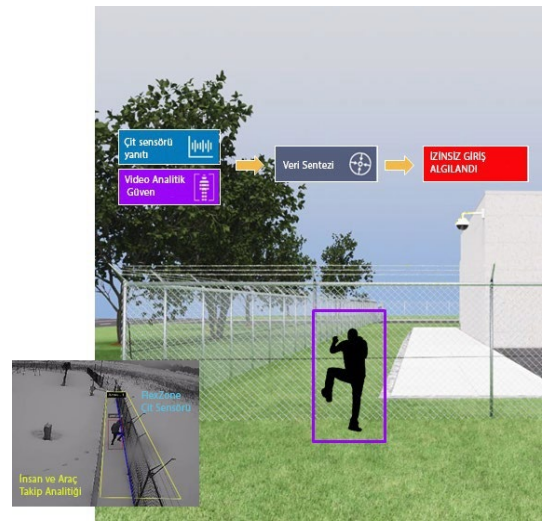
In addition to its ability to work integrated with different brand products, it has maintenance and remote programming functions. It allows alarms from different systems to be centralized at a single point. It manages and reports alarm information from all environmental detectors in the field.

Advantages:

- Multiple location management with alarm prioritization
- Addition of automatic functions (sending e-mail, sms, etc.)
- Creating logs to record events (maintenance reports, etc.)

Secure Communication

- Dedicated WiFi, RF, LoRa® communication protocols and for any 3rd party protocol integration option
- Encrypted radio network: Provides data security
- Wireless and secure network for lossless and uninterrupted communication
- Field integrity and safety: Sensors are constantly monitored
- Wireless data transfer support up to 20 km



Quick and Easy Application

- Personalized alarm login names
- Easy installation and configuration:
 - the settings are configurable directly via mobile Android app.
 - Configuration of alarm inputs
- Local date reading per input:
 - Different types and sufficient number of event logs for each detector

Sensor Fusion

- System produces actionable information by synthesizing data from different systems (sensor + Video Analytics).
- Accesses low level data
- Achieves performance levels that exceed individual sensors
- Maximizes sensor efficiency, prevents false alarms

Sensor Types



Infrared



Fence Mounted Shock Detection



Fiber



Wireless Fence Top



UltraWave



Embedded Shock Detection



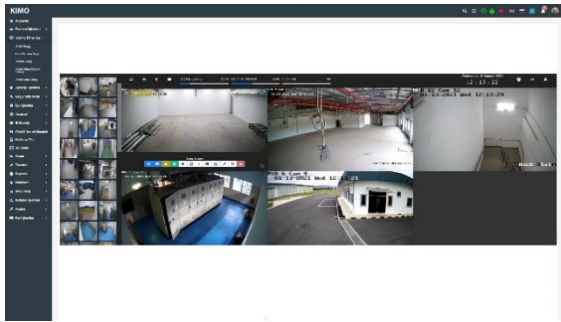
Microwave

Video Management System

One of the most important components of any security surveillance solution is the Video Management System. With the Video Management System, STMS not only manages and records all cameras from a single center, but also provides an easy-to-use, artificial intelligence-supported platform for detecting suspicious sound, heat and movements.

Video Management System Benefits

- Ease of use and time saving
- Being flexible and scalable
- Reporting
- Cloud, server or edge-based storage
- Integration with third-party systems and devices
- Alert customizations
- Multiple location applications



Artificial Intelligence Supported Video Analysis

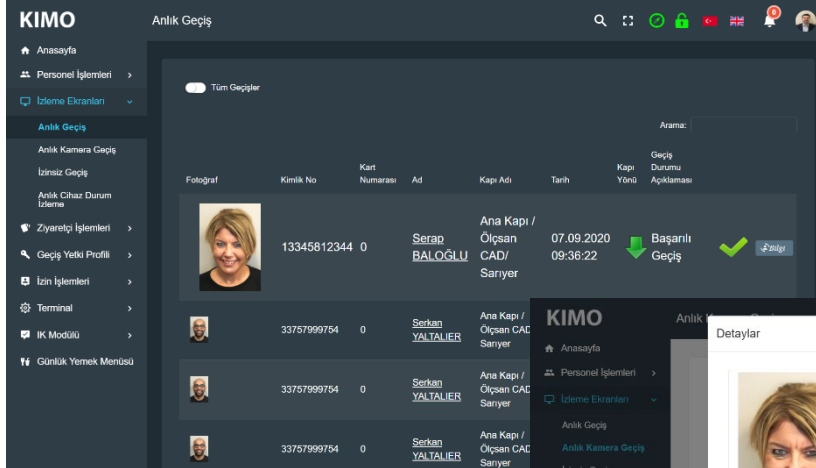
- Border Security/Fence Security (Perimeter Intrusion Detection)
- Object counting
- Person counting
- Vehicle counting
- Masking (Privacy Masking and Face Masking)
- Suspicious Package (left object detection)
- Missing Package (Missing object detection)
- Crowd management
- Plate recognition feature
- Face recognition feature
- Multi-camera tracking
- Gender detection
- Heat Map
- Smoke detection with the help of image processing
- Queue management
- Entering or exiting a certain area (tripwire and trespass)
- Wrong way detection warning

Advantages

- Makes security easier and proactive.
- Security guards and operators cannot be in several places at the same time; but technology can. STMS always monitors every corner of the area to be controlled by VMS and identifies threats quickly from the central location.
- Tracks and monitors people, areas and objects
- VMS allows operators to virtually monitor both objects and people. Risky situations are detected with video analysis, where movements from packages to people are controlled. It makes it easier to track uncontrolled passages, suspicious packages or lost/stolen incidents.
- Provides health control intervention Technology.
- Performs occupancy count; Detects people who do not social distance and do not use masks.
- Cloud Connected
- Remotely controls the operating status of hardware such as cameras and sensors.
- Draws attention to the area of risk on the graphical and map-based interface
- When it detects an unusual situation, it helps to act quickly by highlighting the risky situation on the interface. Blue: Motion Detected. Light blue: Unusual Motion Detected or Analytical Event. Yellow: No Unusual Activity Detected, No Face Watch List Match Activity, No License Plate Watch List Match Event or Face Mask Detected. Red alert
- Face recognition
- Artificial intelligence-powered facial recognition technology finds sought-after faces by uploading images or from recorded video. If a match is found, you will be notified via STMS alarms. STMS displays the alarm-triggering video image along with the reference image in the watchlist, allowing operators to verify the match and act quickly.
- Unified Access Control
- STMS works integrated with the Access control system, allowing to verify the identity of a person trying to access a door connected to a camera, to quickly search for a person using cardholder information, and to view videos of the relevant door.

Access Control (ACS)

KIMO ensures the security of all entry and exit at your corporation. All personnel and visitor accesses are saved and managed in real-time. The system supports card printing, biometric enrolment and management, secure communication and many security features.



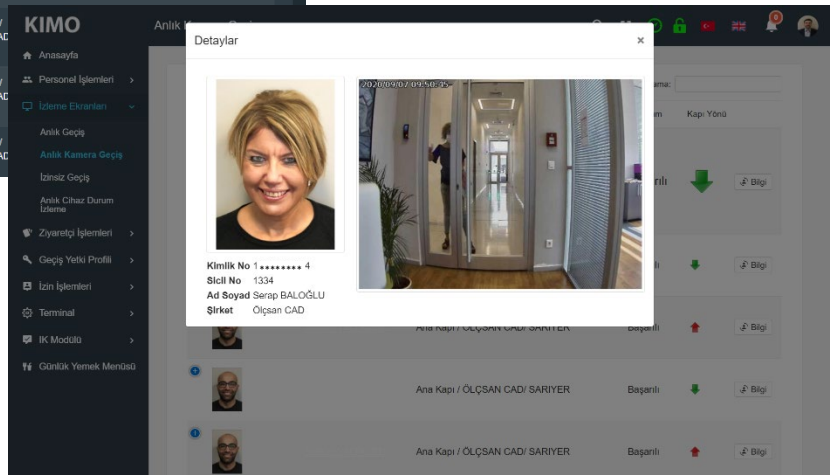
Online Monitoring - dark theme

Online Monitoring

Online monitoring allows to monitor real time entry and exit of the personnel and visitors. Security officer can monitor related persons data on the screen.

Online Camera Monitoring

With the Online Camera Monitoring module, all the entry/exit of the personnel and the visitors are displayed via the camera feed, and the uncontrolled and unauthorized passes are detected.



Online Camera Monitoring - light theme

Features

- Identity Access Management with biometrics and smart card
- Identity and Card Management
- Visitor Monitoring and Management
- Guard Tour Management
- Elevator Access Control
- Alarm System Control Support and Integration
- Biometric Device Registration and Management
- Security Policy Server, LOG Management Server
- End-to-end secure communication (AES 256bit SSL)
- Intrusion Detection - Displays access granted user photo at each door level via "online monitoring". Integrated IP camera support; verification of the cardholder via single frame and video stream.
- Integrated Plate Recognition / Under Vehicle Surveillance System
- Integrated UHF reader and TAGs
- Integrated CCTV and Perimeter Security System
- Escort, companion and two-man rule features.
- Emergency Scenario module
- Health Functions: Health Code, Thermal fever scanning, with mask and w/out mask recognition, Contactless fingerprint cards...

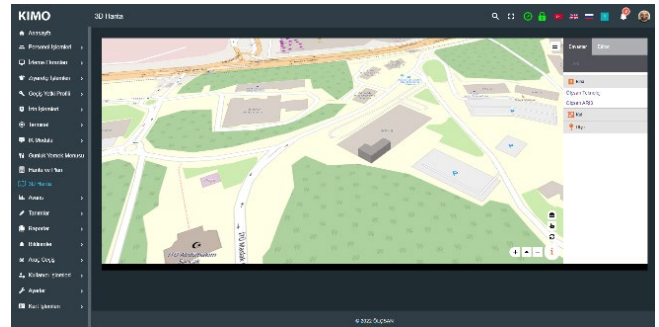
Advantages

- Wide range of hardware support
- User friendly WEB based Graphic Interface, Modern Design
- Mobile phone and tablet support
- Mobile Application
- Online and offline work
- LDAP Support (Open LDAP, MS Active Directory)
- PostgreSQL support
- Linux server support
- Standard report and dynamic reporting
- Fast and efficient training program
- Multi-language support
- Cloud support
- Compliant with KVKK Circular
- Easy integration of 3rd party products
- Technical support/ticket system

Fire and Alarm Management System

STMS, which includes alarm system integration in addition to Access Control, Video Analysis and Perimeter Security; It interprets the data meaningfully and generates alarms from a single center.

Any external alarm source (any alarm sensor in I/O modules, cameras or video servers) system notifies operators locally or at remote locations, optionally by using different proactive alerts.



The system detects temperature above normal levels and generates an alarm. Additionally, smoke alarm sensors detect fire and create warning.

Wired and wireless equipment works integrated with the system, providing secure and scalable solutions. The platform checks the operability of the hardware and warns about malfunctioning hardware.

Thus, it helps prevent fire-related poisoning, death and injuries.



Fire detection based on video reacts faster than traditional smoke detectors.

STMS enables the doors to open automatically and evacuation easily when a fire alarm is detected. In addition, thanks to its integrated handheld terminal system, it enables the counting and reporting of the evacuated and non-evacuated people.

In case of a burglar alarm or unattended/left object are located in different areas, the system manages the opening and closing of the desired doors through the created alarms. STMS helps to protect the site with the comprehensive alarm and evacuation solution it offers to its users.



CCTV cameras continue to monitor the movement with the alarm created by different modules of STMS. For example, after an alarm is raised, CCTV cameras pan, tilt and zoom to track a moving intruder. In this way, the risk element is monitored. The crime scene and people at the scene are protected.

Unified Access Control with Video Surveillance A complete access control system, STMS supports industry standard hardware and fully integrates access control events with video and alarm management.

Devices supported by the system: Standard and specially designed automatic fire detectors – Fire Alarm Panels – Warning devices – Remote connection equipment – Special detectors (thermal, etc.) - Image-based Analysis systems

Voiceover/Direction and Announcement

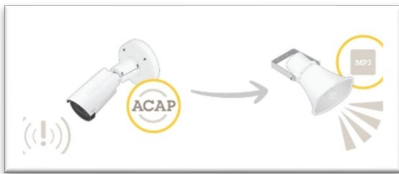
STMS meets the security requirements of institutions with its digital public address and announcement feature. It supports secure environments from two different perspectives.



1- Sound and Voiceover for Security:

It provides action based on situations seen and/or detected through live streaming or video analytics in the VMS system and provides protection support for the facility with voice messages.

Monitoring and managing large-scale remote areas creates the need for integrated systems. Whether they are potential criminals or simply people who have lost their way, our video surveillance and audio can quickly detect and identify unauthorized persons, allowing you to respond directly to the scene.



Event triggered messages

There's nothing more deterrent to suspicious behavior than a well-timed voicemail. It's easy to trigger your system to trigger pre-recorded messages in response to potential criminal activity. For example, "we see you and you are trespassing"



Manually triggered messages

Powered by analytics, the camera can detect what is happening in the field. It sends a notification to the administrator, who can assess the situation and manually trigger a pre-recorded message to remotely address people in the field and deter unwanted activity.



Live Calls

The system can send a notification to a security guard, and the security guard can speak directly to a criminal live in real time.

2- Public Voiceover Systems:

Whether it's an urgent broadcast to evacuate your building, a promotion you want to share, or regular daily in-store announcements, our public address (PA) systems allow you to communicate clearly with your target audience (e.g. citizens, students, customers or staff).



Emergency notifications – Systems help save lives in emergencies such as extreme weather conditions or natural disasters. It is connected to earthquake detection or other early warning systems with integration support.

Automated reminders – Systems that use scheduled, pre-recorded messages can help you enforce social distancing in your facilities. In retail environments, it allows you to trigger voice messages and alert shoppers that the store has reached capacity.

Non-critical information – Provides a simple, centralized way to issue paging, public address, guidelines and regulations that help ensure efficient communication across your facilities. You can deliver live, scheduled or event-triggered announcements and play background music in different regions throughout the day.

Crowd and Traffic Management - Ensures the safety of your staff and visitors with live or pre-recorded voice messages to inform about potential danger and overcrowding. It helps people ensure their safety and comfort if large crowds have gathered in a particular area or a building has reached capacity.

Building Management System (BMS)

Our BMS module provides Energy Management, Facility Management and Building Management for buildings and campuses.

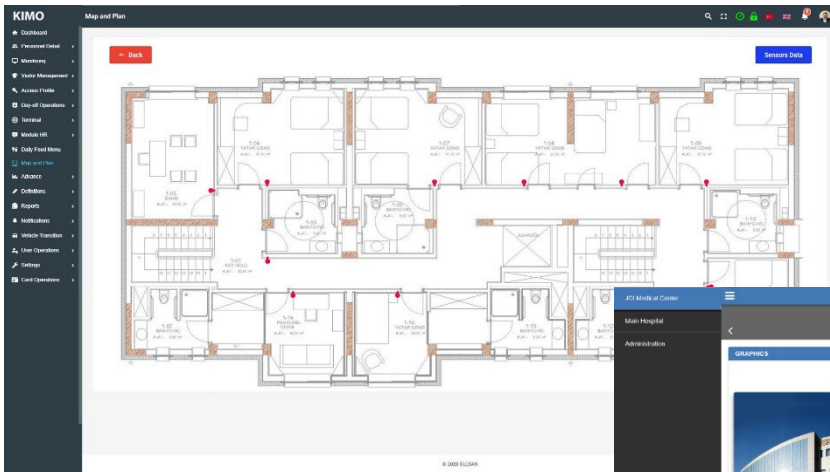
With the module, you can manage by integrating the already installed BMS, as well as with the connections of the control panels used in ACS.

BMS integrated with VMS (Video Management System), ACS, TA and FAS (Fire and Alarm System) manages operational technologies of the buildings from a single platform. The module also monitors outdoor and indoor air quality measurements.



It offers a very wide integration opportunity with Communication Protocols.

- MODBUS, M-BUS, KNX, LON, BACnet...

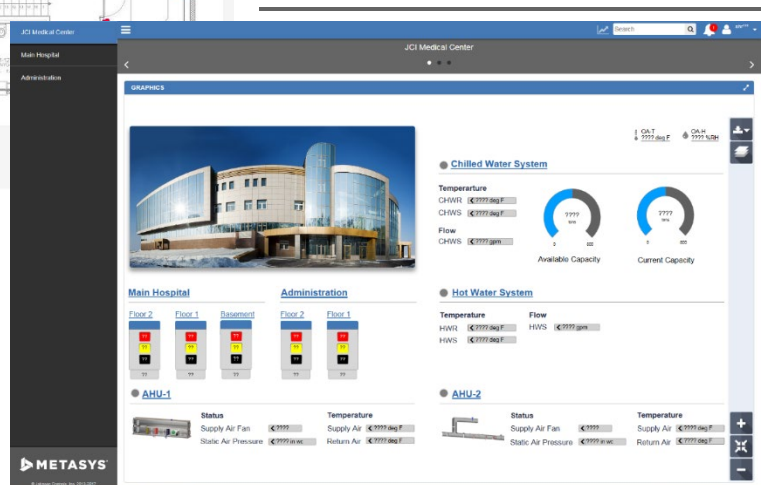


Integrated Solution

All connected equipment and sensors can be monitored and managed through the KIMO Map

Current Investment

In order to protect the existing investment and to manage it efficiently by integrating it first, KIMO is integrated with 3rd party products and management systems and uses REST API and / or global communication protocols to integrate new systems. JSI is an example of these.



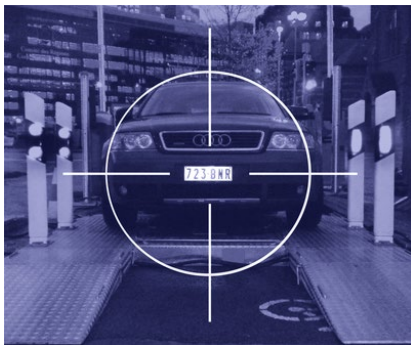
Parking and Vehicle Management

KIMO provides semi-automatic or automatic monitoring and management of license plate recognition and safe vehicle passage processes from the management panel.

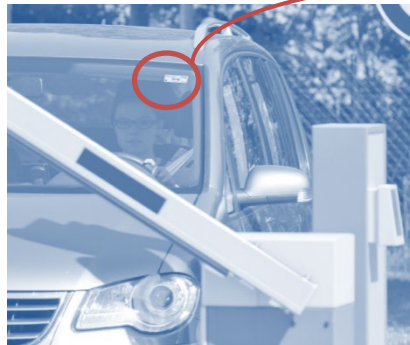
System; License Plate Recognition cameras and software consist of integrated operation of UHF Tag Recognition and Under Vehicle Scan solutions.

Plate and/or UHF tag information is queried from the database and suspicious situations are determined.

- Accurate identification is ensured during the day, at night, in adverse weather conditions and difficult traffic conditions
- Provides superior performance in reading license plates of moving or stationary vehicles
- The system, together with the plate/label information of all vehicles passing through the tracking area; It also records speed, date, time, coordinate information and video images.
- Received images are encrypted and transferred to the control center



License plate recognition and under vehicle scanning



UHF class tag

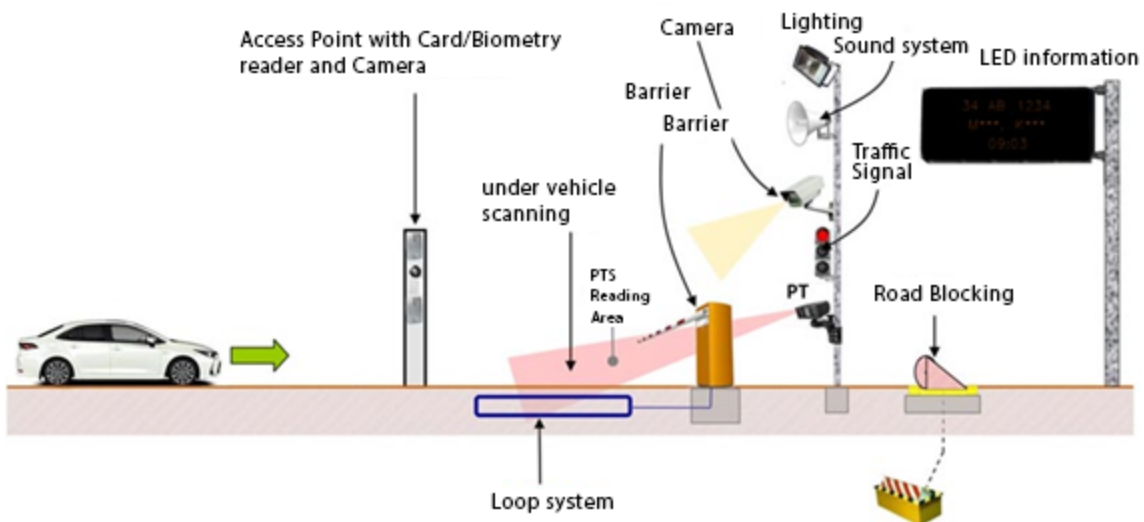
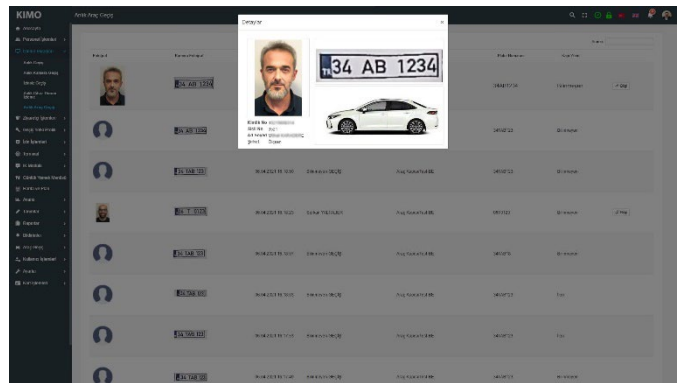


Integrated Technology Solution

It is designed to detect fake license plates and unauthorized access in real time and to provide the highest security. Security personnel monitor the person's information on the screen.

Online Vehicle Access

With the Online Vehicle Access selected from the Monitoring Screens menu, the data, vehicle photo, driver photo and information coming from the License Plate Recognition cameras and automatic recognition software and verified by comparison of the passing vehicles are followed. UHF Tag Recognition and Under Vehicle Scanning solutions, on the other hand, can work and monitor separately or integrated into license plate recognition.



Emergency Escape and Assembly

KIMO manages the implementation of Emergency Escape and Assembly Area plans and services on the system in accordance with the regulations in cases such as fire, earthquake in the campuses.

The emergency action plan enables organizations to organize and manage organizational resources and work flow within the framework of general laws and rules in order to protect personnel, local people and the environment.

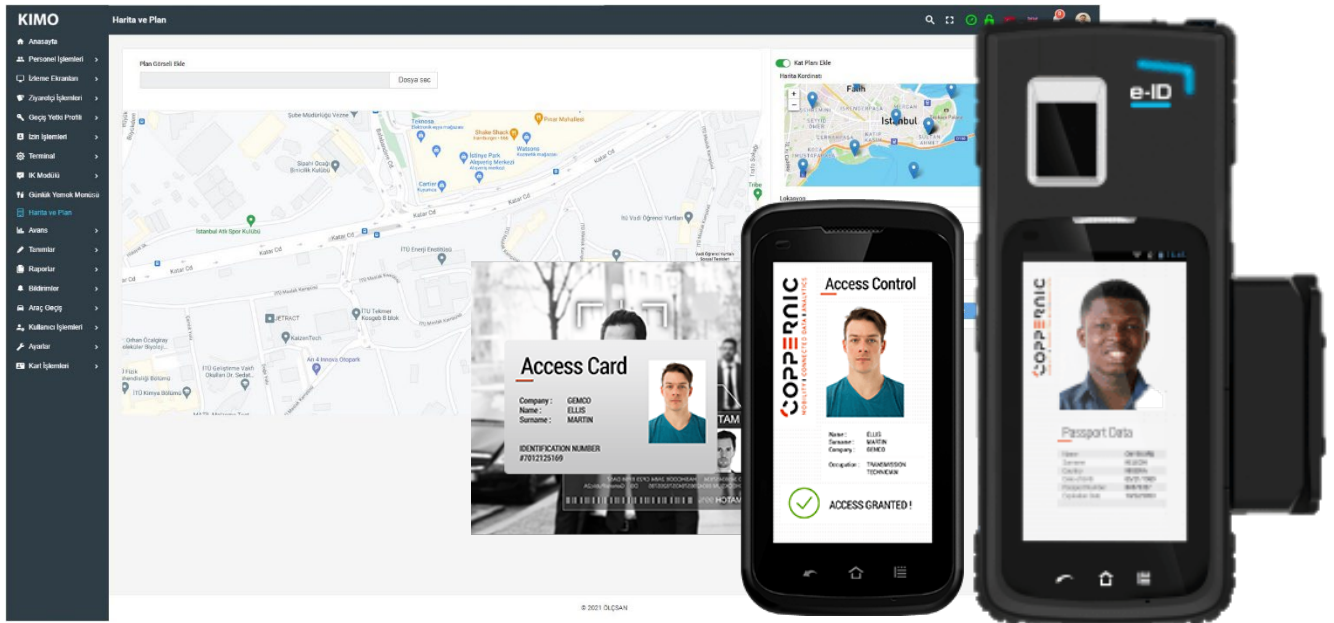
The emergency action plan feature must be used within businesses that carry a high risk for employees and the environment and are included in this process requirement.

Emergency action plan features and settings are made from the Emergency Scenario menu to ensure the safety of both the facility and the personnel.

These features are;

- Viewing the list of personnel present/working in the facility in real time.
- Instant follow-up of the personnel passing from the working areas to the assembly area.
- Control of personnel assembling and/or getting into the safe area.
- Control from both the center and the hand terminals of the officers in the field, together with the photographs of the personnel in the selected areas.
- Automatic opening of selected doors and turnstiles within the facility in accordance with the relevant scenario,
- Routing according to the scenario related to voice alarm integration.

With this module, the entire emergency evacuation process, including safe and unsafe areas, can be monitored in real time.

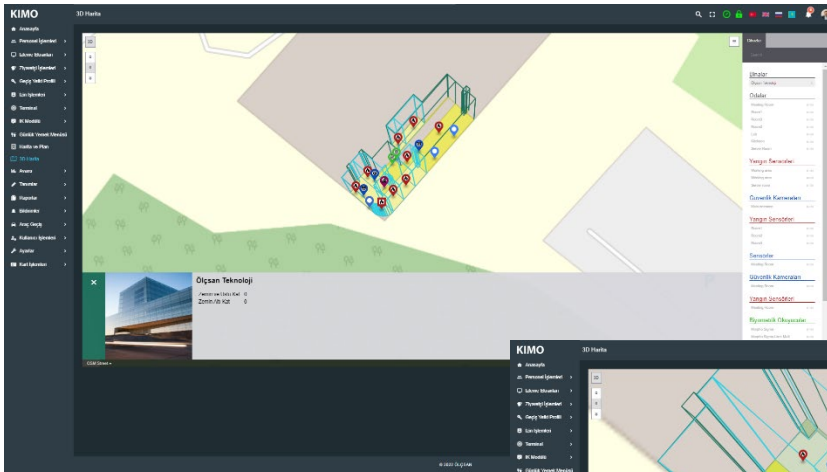


Thanks to the mobile devices supported by KIMO, since it is not necessary to use fixed devices in the assembly areas, unnecessary laborious works such as cabling, costs and very important time are saved.

3D MAP/ Plan

The 3D map and plan module enables all connected devices* to be monitored, managed and updated over the map and plan, by selecting different campuses in different locations on the same management panel and map, and bringing the relevant 3D building plans to the manager screen.

All control panels and endpoint panels that need to be managed are managed on a single screen with support for readers, cameras, alarm sensors and 3D maps and 3D floor plans.



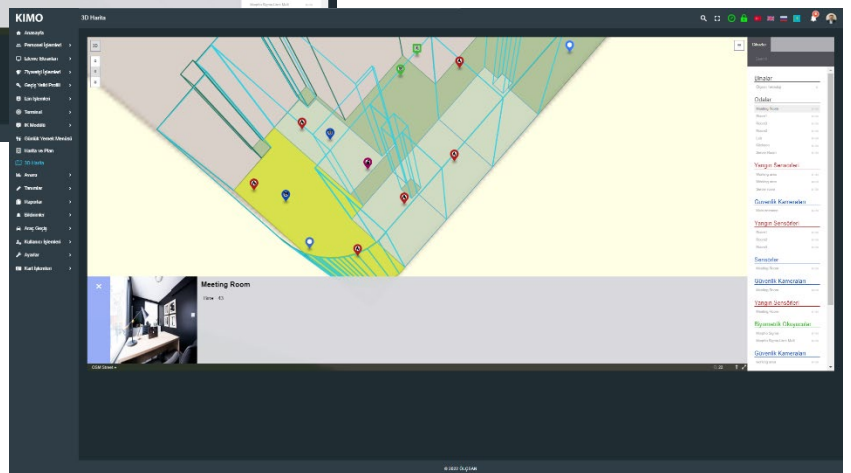
3D MAP

With multi-campus support, all facilities in different geographical locations are managed from a single infrastructure. All building and perimeter security are monitored in real time.

3D Map - dark theme

3D Plan

All devices and processes are tracked on the map by selecting floors on the selected location and/or the 3D plan of the building.

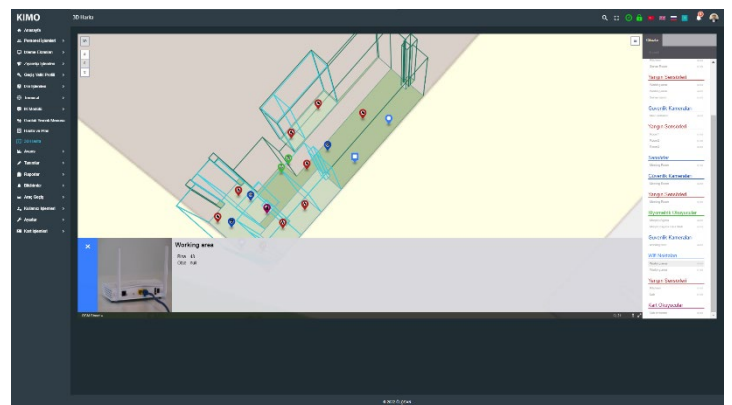


3D Plan - dark theme

The status information of all devices and sensors is monitored on the administrator screen, and when necessary, devices that receive / show problem notifications are accessed remotely, and their maintenance, updates and system arrangements are made securely.

Supported Devices

- Card Readers
- Card Management Control Devices and Panels
- Biometric Terminals • IP cameras
- Indoor sensors (PIR, IR, laser, 2D/3D LIDAR...)
- Fire and Alarm sensors and equipment
- Tracking sensors (BLE, IWB, WiFi, LoRa ...)
- All applications and sensors can be tracked and intervened on the map and plan.

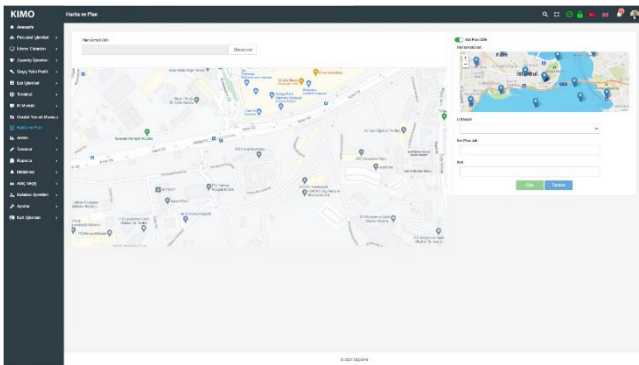


Other Modules

KIMO enables the use and management of different processes from a single WEB based panel.

High Security Application Access

Login to the computer and access to the KIMO application is done by face recognition. High security vitality verification is provided by infrared ray assisted finger biometrics and iris. All operations performed on the screen and the applications used are recorded. Face recognition is done with any 3rd party camera (standard camera on a portable computer), no additional hardware is required.

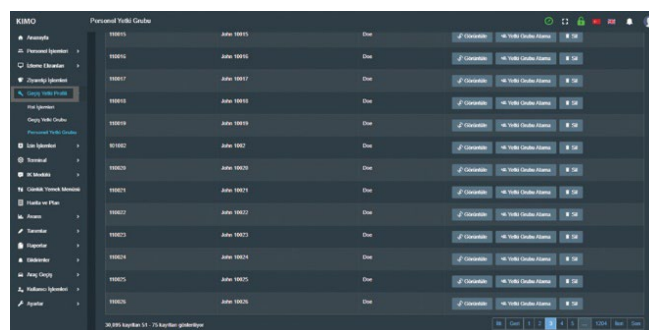
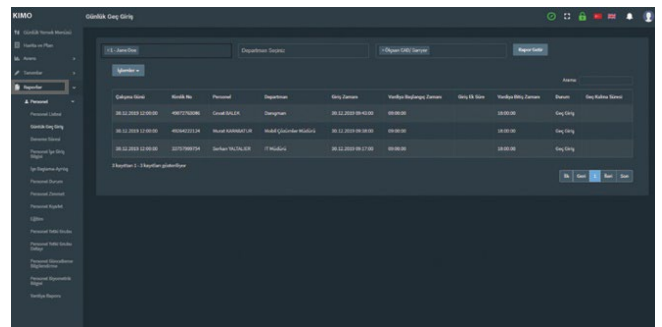


Field Management

It is the module where all personnel and vehicles within the entire campus are monitored, relevant follow-ups and guidance are made, and graphic and alarm/routing flows are managed. It is the interface where the inventory and personnel selected on the map are located, where they will be directed and the necessary communication/messaging is provided.

Cyber Security

It consists of monitoring and precaution modules against possible threats, infiltration and other security vulnerabilities by working integrated with the physical security side of the information coming from all cyber security layers related to the institution and the relevant campus.



Access Authorization Profile

Profile module defines the user authorizations on the KIMO system, determines and manages the personnel and access authorization. Unauthorized actions / accesses are prevented via the module.

KIMO STMS Packages

With KIMO, we offer flexible packages answering the requirements with different options and modules.

KIMO STMS Modules / Functions	Professional	Enterprise
Web User Interface	✓	✓
Monitoring	✓	✓
Reports	✓	✓
Personnel Operations	✓	✓
Definitions	✓	✓
Perimeter Security Management System	✓	✓
Video Management System	✓	✓
Access Control System	✓	✓
Fire and Alarm Management System	0	0
Voiceover / Direction and Announcement	0	0
Building Management System	0	0
T&A Module	0	0
Elevator Management System	0	0
Access Authorization Profile	✓	✓
User Operations	✓	✓
Terminal /Sensor Management	✓	✓
Visitor Management	✓	✓
Notifications, E-Mail	✓	✓
Data Transfer (SQL, Excel...)	✓	✓
Map / Plan	0	✓
3D Map / Plan	0	0
Emergency Escape Gathering	0	0
Vehicle Access Control	0	0
Parking Management	0	0
Card Lifecycle and Personalization	0	✓
Additions		
Multi Monitor Support	✓	✓
Multi Location Support	0	0
Mobile Application	0	✓
Reader License Support	S	S
Vehicle / Service Tracking Integration	0	0

0=Optional: Selected by the customer, S=Seectivei:The customer should choose according to their number of readers the appropriate. Version: 2023/1

Supported Product List:



