

LENSEC



Perspective
VMS®

THE
**UNIFIED
SECURITY
PLATFORM**

ABOUT LENSEC

LENSEC is a pioneer in IP security video, partnering with security professionals worldwide to help customers keep assets secure and people safe.

MARKETS SERVED:

- Commercial
- Critical Infrastructure
- Government
- Healthcare
- Financial
- Higher Education
- K-12 Schools
- Transportation
- Oil & Gas
- Cannabis Industry



LENSEC is the manufacturer of Perspective VMS[®], an enterprise-level video management software designed for surveillance. LENSEC pioneered IP-Video Management since its inception in 1998 and have years of physical security experience developing advanced software systems and custom integration services.

PVMS INTEGRATES WITH THIRD-PARTY HARDWARE AND SOFTWARE:

- Access Control
- Intrusion Detection Panels
- Radio Frequency Identification
- Video Analytics
- Fire Alarm Panels
- Under Vehicle Surveillance Systems
- IoT Devices
- I/O Interfaces
- Electronic Fence Hardware
- Server Health Monitoring
- Video Wall
- Custom Hardware & Software

WHY PVMS?



Perspective VMS® (PVMS) is an enterprise-level video management software developed by LENSEC, a thin-client application that operates in modern web browsers through an easy-to-use graphical interface. As an agile approach to work, product improvements are implemented rather quickly and in short cycles.

- ❏ Made in the USA & trusted around the world
- ❏ Built with partners & end-users input
- ❏ IoT ready for any IP security devices
- ❏ Deploy in the cloud, on-premises, or as a hybrid security system
- ❏ Built with HTML5 as a browser-based software
- ❏ Designed with cybersecurity in mind
- ❏ Go mobile with tablet or smartphone access
- ❏ Connect network security devices in a Unified Security Platform
- ❏ Monitor security footprint remotely using enterprise tools
- ❏ LENSEC helps with Remote Status Monitoring and other Professional Services

THE
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SECURITY
PLATFORM





DASHBOARD

View security events and system health in custom-made visual boards that fits your operational needs.

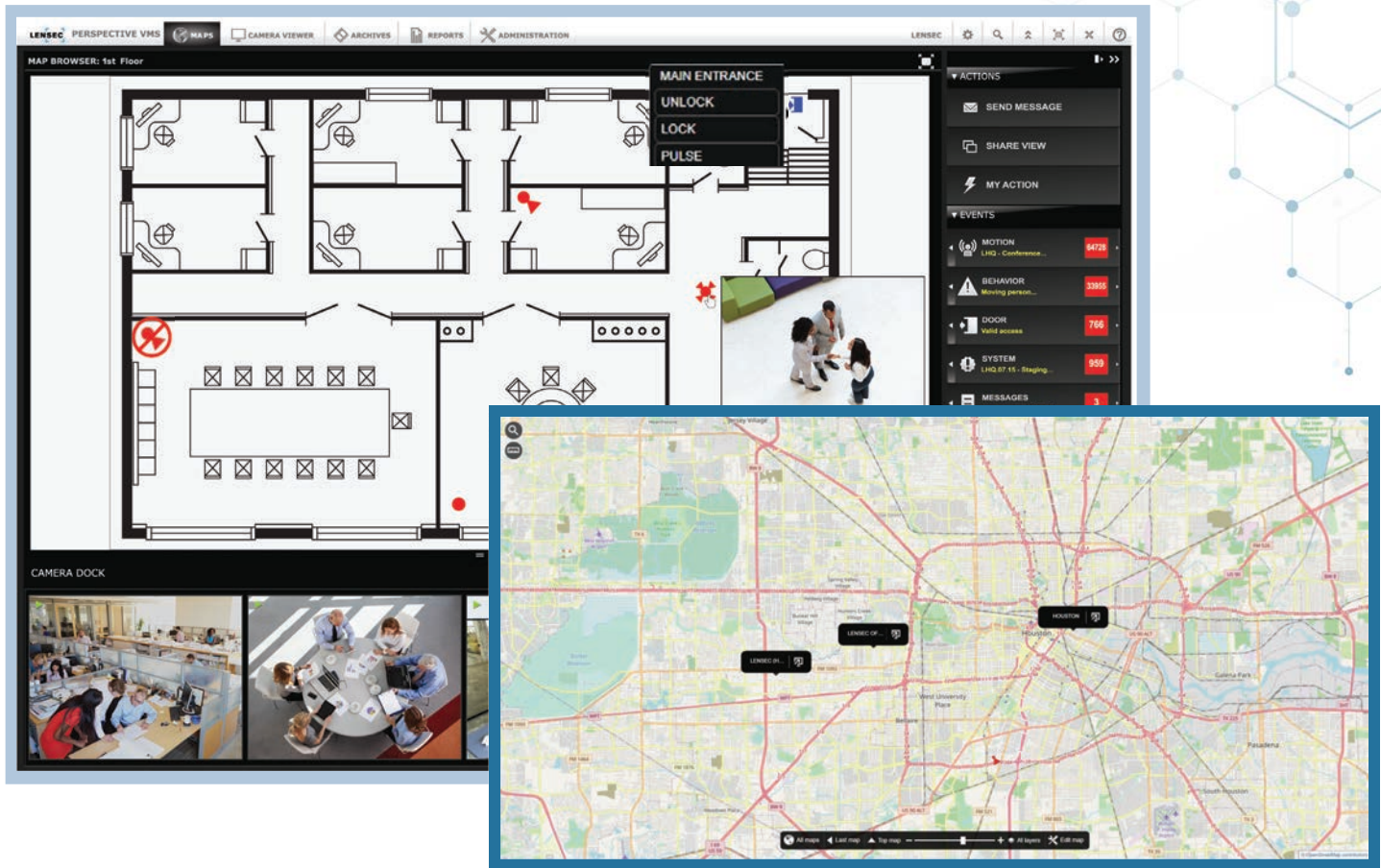
- 1 Create multiple dashboards for different users based on their needs.
- 2 Select from a list of predefined widgets.
- 3 Adjust the size and location of widgets based on the data to be displayed.
- 4 Get live updates of new events and changes.










MAPS

Quickly identify camera locations, obtain real-time situational awareness, view live-streaming video.

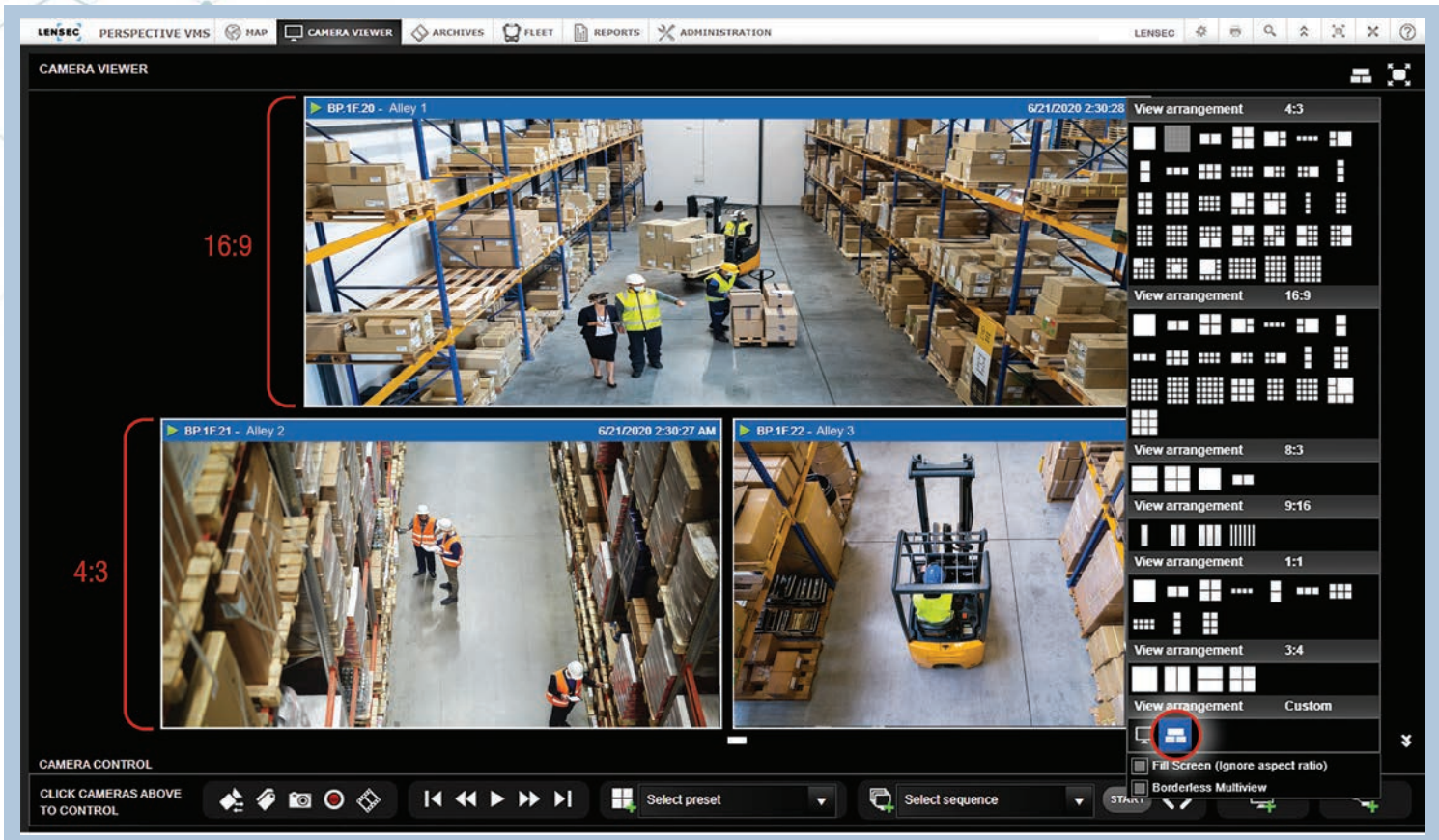







-  Hover over camera icons to display live video in a pop-up window.
-  Dock the cameras for a continuous view of live video.
-  View Cameras and devices status on the map.
-  Interact with devices like access door readers.
-  Locate cameras and other system assets using live GIS-maps.



CAMERA VIEWER

Select from a wide range of viewing layouts. Your custom preset views and sequences can be saved and recalled in the graphical interface.



-  Call-up live video from multiple sites simultaneously.
-  Rewind and playback video without leaving the camera viewer.
-  Start recording in real-time using the Extract tool.
-  Track moving targets through a facility using the Neighboring Cameras feature.
-  Verify third-party captured events in real-time.



ARCHIVES

Begin forensic analysis by accessing stores of pre-recorded video.

- Search motion video activity detected by security cameras using the Fast-Find feature.
- Search previously recorded video using the interactive timeline and image thumbnails.
- Create recorded video extractions simultaneously.
- Download extracted video into a standard media file.

The screenshot displays the LENSEC Perspective VMS Archives viewer. The interface includes a top navigation bar with tabs for MAP, CAMERA VIEWER, ARCHIVES, FLEET, REPORTS, and ADMINISTRATION. The main area is split into two video windows: 'BP-1F-23 - Lobby' and 'BP-1F-21 - Library'. Below these is an 'ARCHIVE BROWSER' showing a 24-hour timeline with thumbnails for various cameras. A right-hand sidebar contains 'ACTIONS' (SEND MESSAGE, SHARE VIEW, RESTRICT ACCESS, IMPORT VIDEO) and 'EVENTS' (MOTION, BEHAVIOR, DOOR, RFID, SYSTEM, MESSAGES, SHARED VIEWS, TAGS, IMAGE EXTRactions).

This screenshot shows a detailed view of the archive browser. The timeline is expanded, and a thumbnail for 'BP-1F-23 - Lobby' is selected. The interface shows various filters and options like 'Motion Detection', 'Tags', and 'Archive Lock'.



FLEET

Capture vehicle video and metadata while managing the security of your fleet, cargo, drivers, and passengers.

- Track fleet vehicle positions using GIS-mapping to find assets.
- Access vehicle I/O metadata, such as brakes, blinkers, speed, and more.
- Connect to a vehicle from headquarters using built-in Wi-Fi or cellular communications.
- Protect on-board video and metadata using rugged mobile servers.

The screenshot displays the LENSEC Perspective VMS interface. At the top, there is a navigation bar with tabs for MAP, CAMERA VIEWER, ARCHIVES, FLEET, REPORTS, and ADMINISTRATION. Below this, a search bar and filter options are visible. The main interface is divided into several sections: a large map on the left showing a city grid; four camera feeds in the center (Camera 1: Driver's view, Camera 2: Rear view, Camera 3: Passenger view, Camera 4: Front view); and a speedometer on the right showing 15 MPH. A timeline at the bottom allows for playback of video data, with a 24-hour interval selected. The interface also includes a 'Signals Data' panel on the right with various control icons.



REPORTS

Gain insight on system health details, including camera status, user login activity, archive stores, and more.

LICENSE PLATE REPORT
Displays license plate recognition records for system camera(s)

Naomi Place - Exit Gate | License Plate | 01/18/2021 05:26 AM | 01/19/2021 05:26 AM

Acrobat (PDF) File | DOWNLOAD | VIEW

Date: 01/18/2021
License Plate Report

From: 01/18/2021 05:26 AM To: 01/19/2021 05:26 AM Confidence \geq 0 License Plate:

Camera(s): Naomi Place - Exit Gate

Date Time	Plate	Color	Country	Confidence	Camera Name	Image	Plate Image
1/18/2021 9:21:04 PM	798 PAK	White	us	94	Naomi Place - Exit Gate		
					Exit Gate		
					Exit Gate		
					Exit Gate		

HEAT MAP REPORT
Displays heat map for analytic rule(s)

Office 1 Hot zo... | 01/18/2021 02:05:16 PM | 01/19/2021 02:05:16 PM | Acrobat (PDF) File | EXPORT | PRINT | VIEW

0-1% 1-2% 2-4% 4-8% 8-16% 16-32% 32-64% 64-100%

ACTIONS

- CAMERA EVENTS: 13,160
- BEHAVIOR: 504
- DOOR: 952
- VEHICLE INCIDENT: 4
- RFID: 0
- SYSTEM: 3,757
- RFID TAGS: 2
- SHARED VIEWS: 0
- TAGS: 185
- IMAGE EXTRACTIONS: 454

- Learn details about user activity history in the Access Log Query Report.
- Display categories of behavior-based events using Video Analytic Reports.
- Tag Fleet Vehicle Incidents so their easy to find later.
- Discover data about actions and triggers for automated processes in Workflows.



ADMINISTRATION

Configure and manage system-wide settings from anywhere on the network in the browser-based application.

#	NAME	DESCRIPTION	SITE NAME	NESTED MAP	MAP ORDER
1	10x10 Front	Lensec Booth From Facing	Lensec Booth	✓	
2	10x10 Over	Lensec Booth From Over	Lensec Booth	✓	
3	Generic Office				
4	Demo Map				
5	Main Office				
6	Office 2				
7	Test Map				
8	Office 3				
9	Office 4				
10	Office 5				
11	Office 6				
12	Office 7				
13	Office 8				
14	Office 9	Office 9	Houston	✓	
15	Office 10	Office 10	Houston	✓	

- Configure network-connected IP security devices within PVMS.
- Manage users efficiently through group-assigned permissions.
- Balance archives across multiple drive locations.
- Securely access the system via Active Directory single sign-on.



VIDEO ANALYTICS

Leverage advanced algorithms and smart technology to trigger immediate action, and reduce false alarms. We offer these video analytics and more.

TRAFFIC MANAGEMENT

- Vehicle Counting
- Average Speed
- Wrong Way Traffic
- Stationary Vehicle

FACILITIES MANAGEMENT

- Intrusion Detection
- Left / Stolen Object
- Parking Lot
- Slip / Fall Detection

CROWD MANAGEMENT

- Occupancy Rate
- Heat Map
- Gate Flow
- Area Counting

Perspective VMS® fully integrates with server-based analytics, edge-based analytics, and third-party video analytic software.

The screenshot displays the Perspective VMS interface with several analytics features highlighted in inset windows:

- FACE RECOGNITION:** Shows a comparison between a known face (a man in a suit) and a detected face in a video stream.
- CAMERA EDGE-BASED ANALYTICS:** Shows a top-down view of a parking lot with several cars, where one car is highlighted.
- AUTOMATIC LICENSE PLATE RECOGNITION:** Shows a silver pickup truck with a license plate highlighted by a red box.
- FACE MASK DETECTION:** Shows a person walking through a doorway, with a red box highlighting their face.

The main interface includes a table of events and a sidebar with various controls and settings.

SOURCE	EVENT	EVENT DATA	CAMERA NAME	DEVICE COLLECTION	CREATED ON
CaletKempen VVUS	Vehicle passed	7.80208	ACJ.Parking 01	Default Group	11/19/2020 02:36:54 PM
CaletKempen VVUS	Vehicle plate confirmed	7.80208	ACJ.Parking 01	Default Group	11/19/2020 02:36:54 PM
CaletKempen VVUS	Vehicle failed	7.79882	ACJ.Parking 01	Default Group	11/19/2020 02:36:54 PM
CaletKempen VVUS	Vehicle passed	721 +1+1	ACJ.Parking 01	Default Group	11/19/2020 02:36:54 PM
CaletKempen VVUS	Vehicle plate confirmed	721 +1+1	ACJ.Parking 01	Default Group	11/19/2020 02:36:54 PM
CaletKempen VVUS	Vehicle passed	480204	ACJ.Parking 01	Default Group	11/19/2020 02:36:54 PM
CaletKempen VVUS	Vehicle plate confirmed	480204	ACJ.Parking 01	Default Group	11/19/2020 02:36:54 PM
CaletKempen VVUS	Vehicle failed	13.2803	ACJ.Parking 01	Default Group	11/19/2020 02:36:54 PM
CaletKempen VVUS	Vehicle passed	8.91782	ACJ.Parking 01	Default Group	11/19/2020 02:36:54 PM
CaletKempen VVUS	Vehicle plate confirmed	8.91782	ACJ.Parking 01	Default Group	11/19/2020 02:36:54 PM

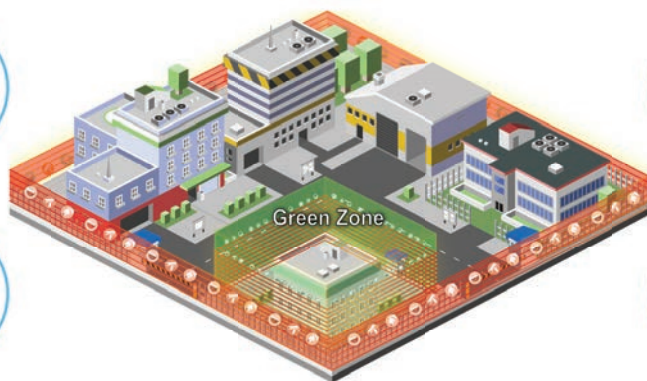
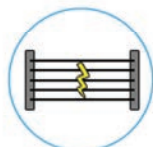
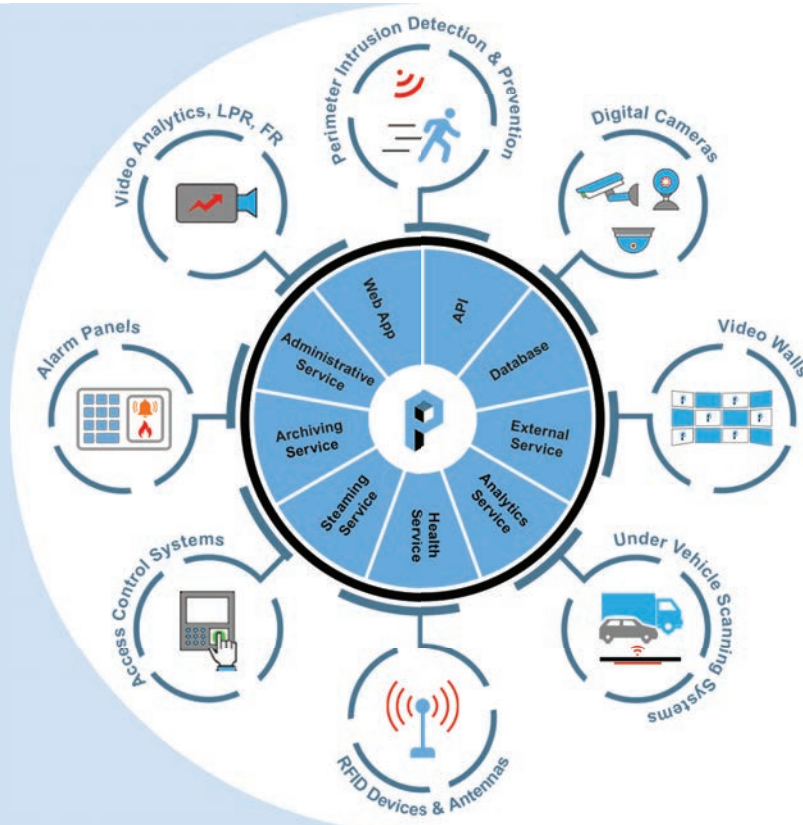


INTEGRATION

Extend the capabilities of PVMS using integrations with third-party software and hardware.

SECURITY INTEGRATIONS :

- Access Control Systems
- Alarm Panels
- Attendance Systems
- Biometric Access Control
- Building Systems
- Customized IoT Device
- Driveway Gates
- Drone Integration
- Electric Fencing
- Intrusion Detection Panels
- I/O Sensor Data Capture
- Major Camera Brands
- Road Barriers
- RFID Devices
- Student Campus Card
- Under Vehicle Scanning System
- Video Wall Control
- Video Analytics
- Visitor Management





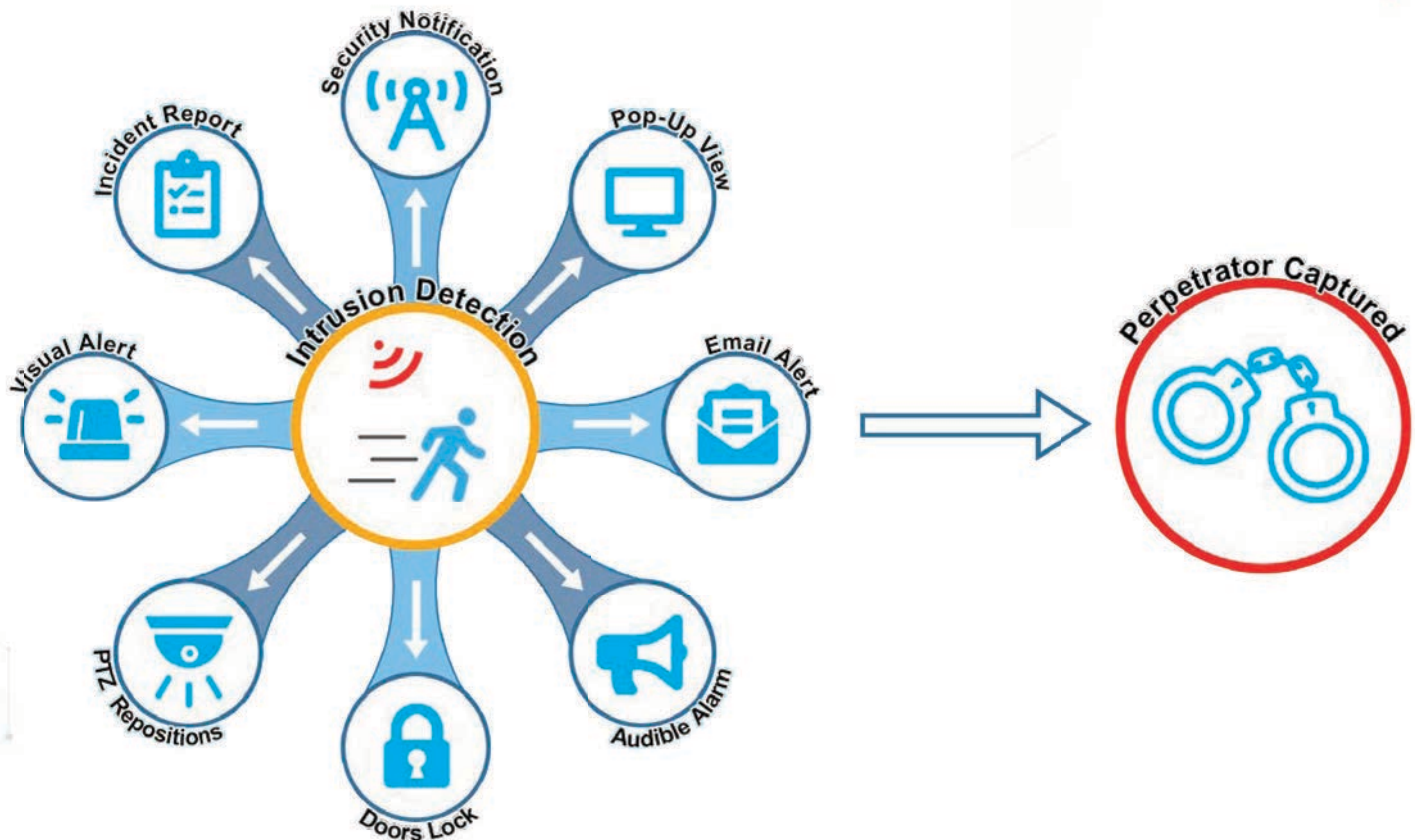
WORKFLOWS

Automate standard operating procedures with If-This-Then-That logic. Individual events can trigger various actions simultaneously.

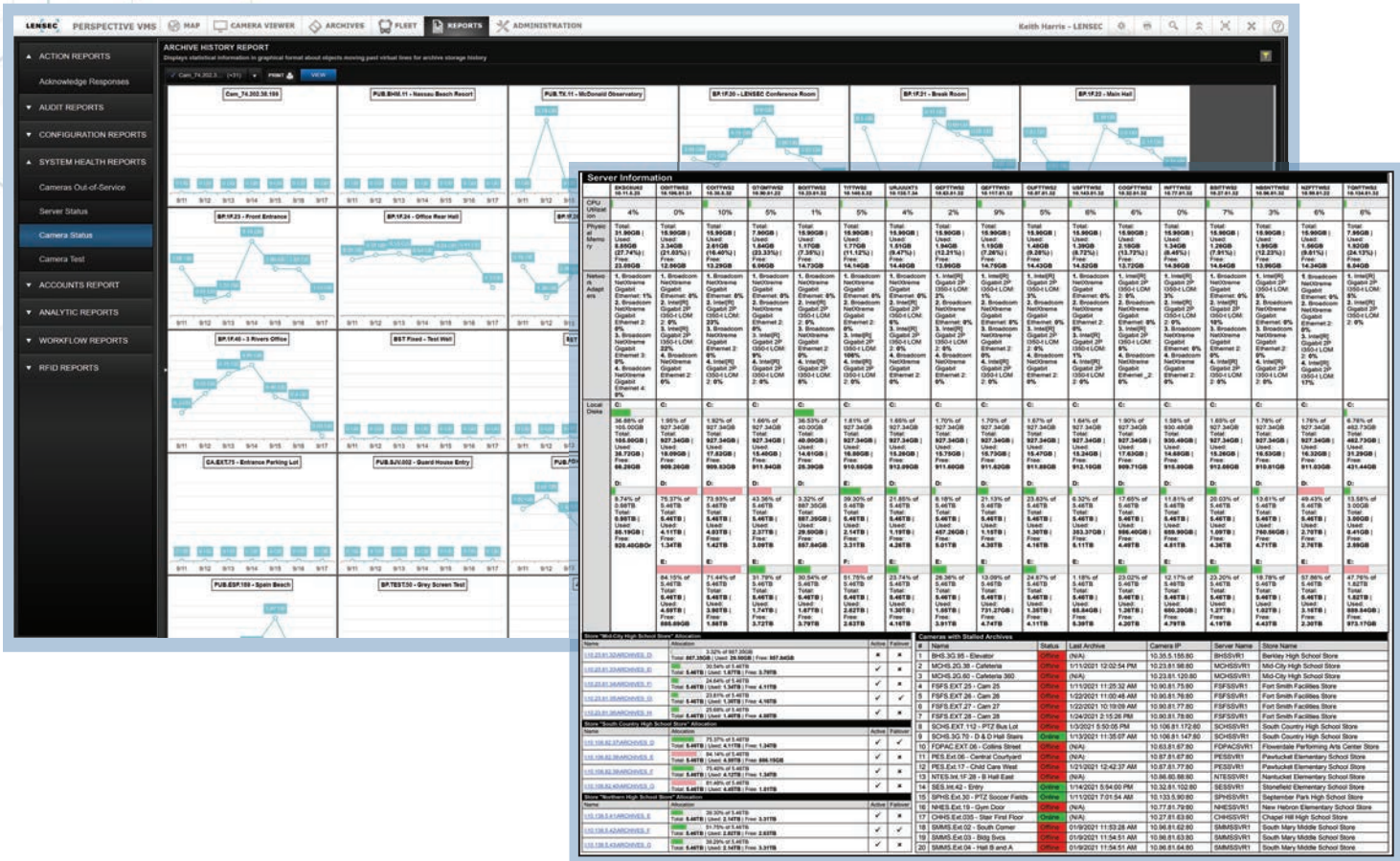


WORKFLOW EXAMPLES :

- IF a door is forced open ➡ THEN an email with a video clip is sent to security.
- IF a security gate is opened ➡ THEN the video resolution and frame rate increases.
- IF a perimeter is crossed ➡ THEN a PTZ camera changes position.
- IF an unrecognized person attempts access ➡ THEN road-blockers are engaged.



Spot vulnerabilities on servers, cameras, IP-devices, and overall security system health.



Learn more about how the system is archiving stored video.



See camera information including, IP address, support ticket details, and more.



Receive advanced server health alerts for appliances by Razberi Technologies.



Get help from the LENSEC team with Remote Status Monitoring.



TRAINING

Take free training, including online classes and technical certification. Instructor-led courses are held virtually and in-person.

- Learn how to use and install the software from experts.
- Take the PVMS Online Training Academy at your own pace.
- Access video tutorials for software operations from within the PVMS interface.

Academy Introduction
Welcome to the LENSEC online academy. Please enroll in a Learning Plan below or select an enrolled course to continue your instruction.

My Profile

My Courses & Learning Plans Overview

Courses

- 11 Not Started
- 1 In Progress
- 31 Completed

BADGES LEADERBOARDS

Your Last Awarded Badges

- 1000
- 100
- 500
- 330

36 My awarded Badges

1930 My total points

ORDER CATALOGS BY: CODE (ASCENDING ORDER)

Perspective VMS® VIDEO TUTORIALS
Administration Module: Workflows
LENSEC | Houston, TX USA | +1 (713) 395-0800 | lensec.com

General Navigation and Welcome...
English ★★★★★
ENROLLED

Intro to Maps
English ★★★★★
ENROLLED

Intro to Camera Viewer
English ★★★★★
ENROLLED

Intro to Archives
English ★★★★★
ENROLLED

Intro to Reporting
English ★★★★★
ENROLLED

Intro to Admin (Layout)
English ★★★★★
ENROLLED

Side Panel
English
ENROLL

Register : lensec.com/training



You can rely on LENSEC to deliver not only leading software solutions but also peace of mind with proactive monitoring, technical support, and system maintenance to ensure the highest reliability and success of LENSEC systems.

SOFTWARE MAINTENANCE PLUS (SMP)

- Access to software updates, major and minor, providing newer functionalities and improved software stability.
- Software technical support through phone or email.
- Up to 8 hours of LENSEC Professional Services (Remote).
- Preferred pricing on select LENSEC software products and professional services.
- Available in one or multi-year bundles.






REMOTE STATUS MONITORING (RSM)

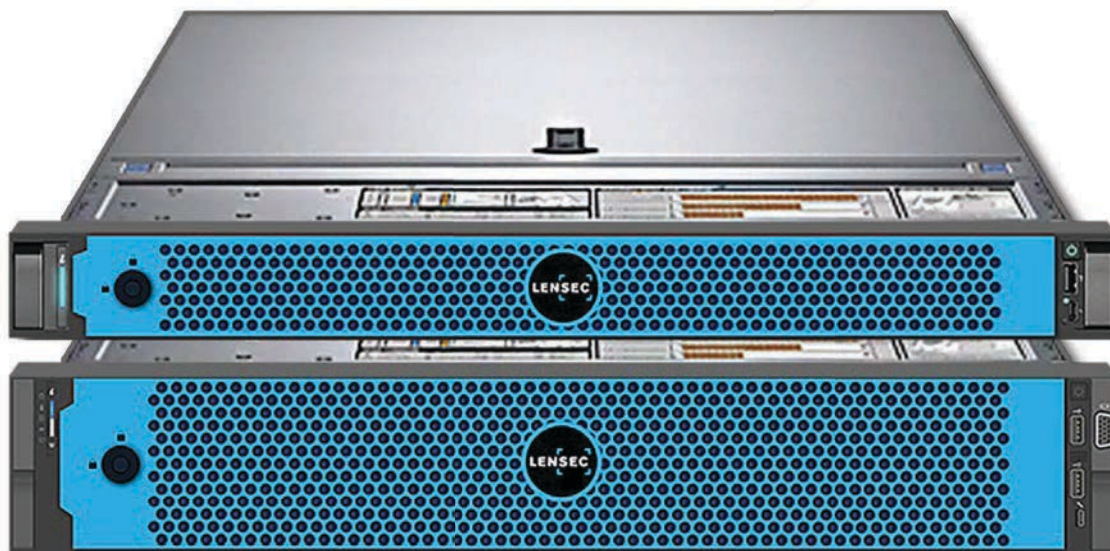
- All Features above in “Software Maintenance Plus”.
- Continuous monitoring of your security installation by LENSEC expert team to ensure maximum uptime of your system.
- Notification of exceptions via email.
- Emergency Situation Support (ESS).
- Server assessment reports, remote diagnostic support and remote hardware support are offered in this support plan.
- Support of hardware related issues through common troubleshooting.



NETWORK VIDEO APPLIANCE

LENSEC offer network video appliances streamlined for installation and designed with efficiency.

-  Perspective VMS optimized servers for enterprise physical security deployments.
-  Validated performance for live streaming and archiving.
-  Series of models for different deployments small, medium, and large critical infrastructures.
-  Powered by Dell® technology.
-  Extended 5 Year, Next-Business Day warranty.





NOTABLE REFERENCES



GOVERNMENT

ORGANIZATION	LOCATION	IP-DEVICES
National Intelligence Agency	Saudi Arabia	3,000+
Government Judicial Agency	Saudi Arabia	2,000+
Government Ministry	Saudi Arabia	750+
Military Air Base	Saudi Arabia	800+
Government Passport Office	Saudi Arabia	750+
Government Defense Agency	Saudi Arabia	700+
National Research Center	Saudi Arabia	650+
Government Agency	Saudi Arabia	600+
Regional Development Authority	Saudi Arabia	550+
Military Armed Forces Command	Jordan	450+



EDUCATION

ORGANIZATION	LOCATION	IP-DEVICES
Public K-12 School District	United States	9,000+
Vocational Training Institute	Saudi Arabia	5,900+
Private University	Saudi Arabia	1,800+
Public University	Saudi Arabia	1,700+
Military Education Institute	Saudi Arabia	1,400+
Public University	United States	1,200+
Public Research University	Saudi Arabia	650+
Private University	Jordan	600+



NOTABLE REFERENCES



HEALTHCARE

ORGANIZATION	LOCATION	IP-DEVICES
National Health Agency	Saudi Arabia	12,400+
Military Hospital	Saudi Arabia	500+
Whitfield Regional Hospital	United States	150+



COMMERCIAL

ORGANIZATION	LOCATION	IP-DEVICES
Nationwide Car Rental Company	Saudi Arabia	900+
Financial Institution	Mexico	700+
Motor Racing Circuit	Kuwait	450+
Commercial Office Tower	Kuwait	300+
Five Star Hotel	Egypt	200+
Cannabis Industry	United States	150+
Dairy Factory	Jordan	100+
Automotive Trade Company	Madagascar	100+



CRITICAL INFRASTRUCTURE

ORGANIZATION	LOCATION	IP-DEVICES
Oil & Gas Exploration Company	United States	400+
Global Port	United States	200+
Public Airport	Libya	150+

PRODUCT FEATURE MATRIX

Perspective VMS® Features	Trial Edition	Command View Edition	Express Edition	Standard Edition	Professional Edition	Enterprise Edition
Deployment	Stand-alone	Stand-alone	Stand-alone	Distributed	Distributed	Distributed
Number of Users	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Number of Cameras	Unlimited	100	24	Unlimited	Unlimited	Unlimited
Number of Servers	Unlimited	1	1	5	Unlimited	Unlimited
Global Search	✓	✓	✓	✓	✓	✓
HTML5 Browser-Based	✓	✓	✓	✓	✓	✓
Dynamic Maps Integration	✓	-	✓	✓	✓	✓
Intelligent Archive Management	✓	-	✓	✓	✓	✓
Simultaneous Live / Archive View	✓	-	✓	✓	✓	✓
Archive Video Extraction	✓	-	-	✓	✓	✓
System Health / Email Alerts	✓	-	-	✓	✓	✓
Share View User Collaboration	✓	-	-	✓	✓	✓
Neighboring Camera Associations	✓	-	-	✓	✓	✓
Archive Locking	✓	-	-	✓	✓	✓
System Lockdown	✓	-	-	✓	✓	✓

PRODUCT FEATURE MATRIX

Perspective VMS® Features	Trial Edition	Command View Edition	Express Edition	Standard Edition	Professional Edition	Enterprise Edition
Time-lapse Extractions	✓	-	-	✓	✓	✓
Failover	✓	-	-	-	✓	✓
Dashboard	✓	-	-	-	✓	✓
'If-This-Then-That' Workflow Logic	✓	-	-	-	✓	✓
Import External Video Sources	✓	-	-	-	✓	✓
Active Directory	✓	-	-	-	✓	✓
Live GIS-Mapping	✓	-	-	-	✓	✓
Fleet Security Management	✓	-	-	-	-	✓
Interlink Multisite Remote Connection	Main/Remote site	Remote Site	Remote Site	Remote Site	Remote Site	Main/Remote site
Access Control Integration	✓	-	-	-	Add-on	Add-on
Video Analytics	✓	-	-	-	Add-on	Add-on
Automatic License Plate Recognition	✓	-	-	-	Add-on	Add-on
Facial Recognition	✓	-	-	-	Add-on	Add-on
Third-Party Security Devices	✓	-	-	-	-	Custom
Custom Development	-	-	-	-	-	Custom



TECHNOLOGY PARTNERS



LENSEC Technology Partners Full List: lensec.com/technology-partners



LENSEC

 Perspective
VMS[®]

 **ELLIOTT**
DATA SYSTEMS, INC.

www.elliottdata.com



*Local Identification, Secure Access
& Accountability Solutions Provider*

St. Louis, MO | Memphis, TN

1-888-345-8511