

LENSEC, LLC.

# PERSPECTIVE VMS

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## Release Notes (Version 2.5.1)

LENSEC, LLC.

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# RELEASE NOTES (VERSION 2.5.1)

## Release Notes – Perspective VMS™

Thank you for choosing to install **Perspective Video Management Software (VMS) Version 2.5.1**.

LENSEC LLC, a leader in video surveillance management software, has designed Perspective VMS as an intuitive, feature-rich, scalable, and yet fully flexible platform for monitoring and interrogating video surveillance cameras and devices. Our latest release (Version 2.5.1) was first made available for installation and world-wide distribution on 10/30/2015.

This document is designed to provide an informational overview of features and issues that may be relevant to your installation of Perspective VMS.

## 1. Introduction

Perspective VMS Version 2.5.1 is a maintenance version release following previous versions of 2.5.x first released in September 2015 ([Release History](#)).

### 1.1. Scope

The release notes pertain to installations of Perspective VMS Enterprise, Standard, Express, Command View, and Trial Editions. Separately available is documentation for general use and installation of Perspective VMS.

## 2. System Requirements

### 2.1. Client-Side Operating Systems and Browsers Supported

Perspective VMS operates within the Microsoft® Silverlight™ platform and can be run as a client version through standard web-browsers that allow the Microsoft® Silverlight™ plug-in including Microsoft Internet Explorer, Firefox by Mozilla.

Client Recommendations

Hardware	Software
Processor: 2.4 GHz (x64 Processor) or 1.3GHz (Dual Core). Memory: Minimum 4 GB RAM. Available Disk Space: Minimum 10 GB. Display: SXGA (1280 x 1024) or higher resolution	Windows 7 or above (Recommended Windows 7) Mac OSX or higher (Recommended OSX Lion) Internet Explorer 9.0 and above (Recommend IE 11.0) Mozilla Firefox 4.0 and above (Recommended 34.0). Microsoft Silverlight 5.1

### 2.2. Server System Requirements

Web Server\*

Hardware	Software
Processor: 2.4 GHz (x64 Processor) or 1.3GHz (Dual Core). Memory: Minimum 16 GB RAM. Available Disk Space: Minimum 320 GB OS Partition (if applicable): Minimum 60 GB Network Interface Controller: Minimum 1GB	Windows 2008 Server or above (Recommended Windows Server 2012). Internet Information Services 7 or greater. MIME Types: .xap and .xaml files. Microsoft .NET Framework 4.5.

## Archive/Streaming Server\*

Hardware	Software
Processor: 2.4 GHz (x64 Processor) or 1.3GHz (Dual Core). Memory: Minimum 16 GB RAM. Available Disk Space: Minimum: 320 GB OS Partition (if applicable): Minimum 60 GB Network Interface Controller: Minimum 1GB	Windows 2008 Server or above (Recommended Windows 2012 Server). Internet Information Services 7 or greater. MIME Types: .xap and .xaml files. Microsoft .NET Framework 4.5.

## Database Server\*

Hardware	Software
Processor: 1.0 GHz. Memory: Minimum 16 GB RAM. Available Disk Space: Minimum: 320 GB.	Windows 2008 Server or above (Recommended Windows 2012 Server). Microsoft SQL Database Server 2008/2012/2014 (Express/Standard/Enterprise)

\* All services may be installed on a single stand-alone server

## 2.3. Server-based Software Prerequisites

### 2.3.1. Internet Information Services (IIS)

Internet Information Services with the following roles are required to host the application. These services will be installed from the Perspective VMS wizard.

- Application Development
  - ASP.NET
  - .NET Extensibility (prerequisite for ASP.NET)
  - ISAPI Extensions (prerequisite for ASP.NET)
  - ISAPI Filters (prerequisite for ASP.NET)
  - CGI
- Security
  - Windows Authentication
- IIS 7 Management Compatibility

### 2.3.2. .NET Framework 4.6

PVMS is built on top of Microsoft's Silverlight Application Framework which requires .NET Framework 4.6 to operate.

### 2.3.3. Silverlight 5.1

PVMS is built on top of Microsoft's Silverlight Application Framework which requires Silverlight 5.1 to operate as a client.

\*\*\* Please note in Google's Chrome browser (Version 45 or higher, released on 09/03/15) NPAPI plugins such as Silverlight are permanently disabled by default. We recommend utilizing Perspective VMS' Out-of-Browser application, Microsoft's Internet Explorer, or Mozilla's Firefox browser.

## 3. Features

### 3.1.1 New Features, Bug-fixes, and Enhancements

Perspective VMS 2.5.1 is a Maintenance Release update to Perspective VMS 2.5.x. There exist **new features** (in bold), feature enhancements and maintenance items, which include:

Product Feature Name	Description
<b>Analytic Communications Service</b>	A service communicating independent analytic packages with Perspective VMS
<b>Camera Tamper</b>	An embedded video analytic that monitors the video and automatically detects camera failure or sabotage
<b>Camera Timeout Value</b>	Ability to custom define the amount of time when a service recognizes a camera stream as not connected (also known as a Timeout interval).
<b>Intrusion Detector / Trip-line</b>	An embedded video analytic that provides automated perimeter monitoring and secure area protection.
<b>Multiview Administration Settings</b>	An ability to define and show/hide both default and custom multi-view arrangements
<b>Object Left Detector</b>	An embedded video analytic that continuously monitors an area to detect objects or baggage that have been left unattended for too long in the scene
Camera List	Enhancement: Allow for increased thumbnail in administration upon hover over a camera object.
Camera Status Testing	Enhancement: Live, archive, and snapshot stream parameters are displayed when testing each for pass or failure from the camera setup screen.
Import Video from Source	Enhancement: Allow for tagging of imported video from import wizard.
Import Video from Source	Enhancement: Allow for text description of each imported video clip.
Import Videos Administration	Enhancement: Allow for direct navigation to imported video within Archives from Administration list.
Import Videos Administration	Enhancement: Allow for post-import modification of date/time of video generation.
System Settings	Enhancement: Added ability to configure archiving service settings within a user interface of the Administration module.
Action Button Trigger	Enhancement: Allow for selectable user notification of action button success within a workflow.
Neighboring Cameras	Enhancement: An improved interface for defining neighboring camera arrangements.
Archive Locking (Archive Lock)	Enhancement: Removed archive lock from default permissions within Archive Module.
Extraction detail view	Enhancement: Added sortable column based on time extraction is generated/created
Logon-based Trigger	Enhancement: Added "Failed" login as a trigger item in workflows.
Configuration Tree	Enhancement: Reordered cameras configuration container in Administration.
Report - Access Log Query	Enhancement: Allow for search of apostrophe character in queries.
User Groups	Enhancement: Added a find/filter control on permissions dialog of User Groups.
PTZ Control	Bug-fix: Improved handling of PTZ errors on non-advanced models.
Camera Mass Editing (Bulk edit)	Bug-fix: Corrected a bug that would remove archive stores information upon bulk-edit.
Install Shield - Installation Wizard	Bug-fix: Corrected a bug that would limit the number of servers listed during a distributed installation to 29 records.
Archiving Status (Analysis) Report	Bug-fix: Modified timeout limitation for the Archive Status Report on a large dataset.

### 3.2.1 Full Product Feature List

A full product feature list can be found online at ([Features List Link](#))