

LENSEC, LLC.

# PERSPECTIVE VMS

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## Release Notes (Version 2.1.0)

LENSEC, LLC.

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# RELEASE NOTES (VERSION 2.1.0)

## Release Notes – Perspective VMS™

Thank you for choosing to install **Perspective Video Management Software (VMS) Version 2.1.0**.

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 2.1.0) was first made available for installation on 06/12/2014.

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 2.1.0 provides several new and enhanced features building upon the long running success of LENSEC's K12M and LENSEC VMS software platforms.

#### 1.1. Scope

The release notes pertain to installations of Perspective VMS Enterprise, Global, Standard, Express, Command View, and Trial Editions Version 2.1.0. 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 including Microsoft Internet Explorer, Firefox by Mozilla, and Google Chrome.

Client Recommendations

Hardware	Software
Processor: 2.4 GHz (x64 Processor) or 1.3GHz (Dual Core).	Windows 7 or above (Recommended Windows 7)
Memory: Minimum 4 GB RAM.	Mac OSX or higher (Recommended OSX Lion)
Available Disk Space: Minimum 10 GB.	Internet Explorer 9.0 and above (Recommend IE 11.0)
Display: SXGA (1280 x 1024) or higher resolution	Google Chrome 10.0 and above (Recommended 34.0)
	Mozilla Firefox 4.0 and above (Recommended 6.0).
	Microsoft Silverlight 5.0

#### 2.2. Server System Requirements

Web Server\*

Hardware	Software
Processor: 2.4 GHz (x64 Processor) or 1.3GHz (Dual Core).	Windows 2008 Server or above (Recommended Windows Server 2012).
Memory: Minimum 8 GB RAM.	Internet Information Services 7 or greater.
Available Disk Space: Minimum 320 GB	MIME Types: .xap and .xaml files.
OS Partition (if applicable): Minimum 40 GB	Microsoft .NET Framework 4.5.
Network Interface Controller: Minimum 1GB	

## Archive/Streaming Server\*

Hardware	Software
Processor: 2.4 GHz (x64 Processor) or 1.3GHz (Dual Core). Memory: Minimum 8 GB RAM. Available Disk Space: Minimum: 320 GB OS Partition (if applicable): Minimum 20 GB Network Interface Controller: Minimum 1GB	Windows 2008 Server or above (Recommended Windows 2012 Server). Internet Information Services 6 or greater. MIME Types: .xap and .xaml files. Microsoft .NET Framework 4.5.

## Database Server\*

Hardware	Software
Processor: 1.0 GHz. Memory: Minimum 8 GB RAM. Available Disk Space: Minimum: 320 GB.	Windows 2008 Server or above (Recommended Windows 2012 Server). Microsoft SQL Database Server 2005/2008/2012 (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:

- 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 4.5

PVMS is built on top of Microsoft's Silverlight Application Framework which requires .NET Framework 4.5 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.

### 3. Features

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

Perspective VMS 2.1.0 is a Minor Release update to Perspective VMS 2.0.0. There exist new feature additions, feature enhancements and maintenance items, which include:

Product Feature Name	Description
Archive Locking	Provides the user the ability to flag or mark sections of times (or entire days) for exemption from the normal archive deletion routines
Open API/SDK	Provides the ability to render live streaming or archive playback at a set date/time in a controlled browser window of Perspective VMS based on an application programmable interface (API) call. Typically associated with Access Control or Intrusion Detection software systems
Camera API Report	Provides a report showing all cameras with camera ID and description
Improved Archive Playback	Improves responsiveness of Rewind and Fast-Forward controls in archive playback
Improved Multi-View Synchronization	Improves upon a condition resulting in multi-view latency in Camera Viewer
Improved Multi-View Sequencing	Improves upon long-duration play of the multi-view sequence
Improved Full-Screen in Mixed Aspect Ratio	Improves the layout and functionality of running a full-screen view from a layout containing both 4:3 and 16:9 layouts
Improved Camera Dock streaming	Improves the camera streaming when pulling into and out of the camera dock
Enhanced Navigation to Reports Module	Added navigation from the Welcome Screen to navigate to Reports
Enhanced Navigation to Training Module	Added navigation to Training Tutorials from System Help
Enhanced Customized Support Information	Now allows for custom company name on support tab along with phone number and hours of operation.
Enhanced Authorized Pass-Through Authentication	Enhances pass-through authentication for 3 <sup>rd</sup> -party integrations by allowing an administrative function to generate login strings for each user.
Enhanced Neighbor navigation while in Archive playback	Enhances the users' ability to rewind from a live view camera and call-up associated cameras using the Neighboring feature at the same date/time of the camera being reviewed from Camera Viewer.
Enhanced Administration Sorting	Allowing for sort of items such as Last Login and Name fields
Enhanced camera model support	Various camera model enhancements for supported camera manufacturers.
Enhanced General User Interface	Various tool-tip and layout enhancements to improve the usability of the general layout and graphical-user-interface (GUI).

#### 3.2.1 Full Product Feature List

A full product feature list can be found online at ([http://www.lensec.com/library/Specs/PerspectiveVMS\\_FeaturesList\\_2\\_1\\_0.pdf](http://www.lensec.com/library/Specs/PerspectiveVMS_FeaturesList_2_1_0.pdf))