

LENSEC, LLC.

# PERSPECTIVE VMS

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## Release Notes (Version 2.1.1)

LENSEC, LLC.

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# RELEASE NOTES (VERSION 2.1.1)

## Release Notes – Perspective VMS™

Thank you for choosing to install **Perspective Video Management Software (VMS) Version 2.1.1**.

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 2.1.1) was first made available for installation on 09/15/2014.

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 2.1.1 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, Standard, Express, Command View, and Trial Editions Version 2.1.1. 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 2.1.1 is a Maintenance Release update to Perspective VMS 2.1.0. There exist new feature additions, feature enhancements and maintenance items, which include:

Product Feature Name	Description
Camera Scan Sequence	Adds a default Multi-view sequence of all cameras the user has access to, enabling the user to quickly scan cameras one after another in a one-up configuration.
S2 Enterprise Integration – Pull Events	Integration of S-2 Enterprise PACS for association of Access Control events and managed video surveillance.
Administration Interface Controls for Integrations	Controller Types, Controllers, Event Controllers, Devices, and Event Levels have been added to administration for configuration of 3 <sup>rd</sup> -party devices and controllers.
Improved Live Streaming	Removes a condition that may have caused a camera flicker effect when live viewing Motion-JPG cameras.
Improved Image (Frame per Hour) Archiving	Improves archiving utilization for time-lapse video storage.
Improved Streaming/Archiving for Arecont Cameras	Improves performance handling of Arecont manufactured cameras.
Improved Extract handling from Global Controls	Improves time association of extracts when launched from a global control interface.
Improved Camera Setup	Allows for text fields (hostnames) on camera setup larger than 31 characters.
Improved SSL Handling	Fixed SSL implementation.
Improved Live Streaming on Mobile Devices	Improved and corrected live streaming on iOS and Android devices.
Improved Archive Timeline Control	Added a refresh button to archive timeline for better forensic analysis.
Improved System Auditing	Added Neighboring camera administration tasks to system audit log
Improved System Help Information	Added Company Name as an editable field in Settings for display on System Help Menu.
Enhanced default Multi-view selections	Added a 5x5 and 5x4 (4x5) layouts to the default multi-view arrangements
Improved Global Controls for Fast-Forward and Rewind	Improved responsiveness and synchronization of global controls during FF and REW actions.
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\\_1.pdf](http://www.lensec.com/library/Specs/PerspectiveVMS_FeaturesList_2_1_1.pdf))