

LENSEC, LLC.

PERSPECTIVE VMS

Release Notes (Version 2.4.0)

LENSEC, LLC.

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RELEASE NOTES (VERSION 2.4.0)

Release Notes – Perspective VMS™

Thank you for choosing to install **Perspective Video Management Software (VMS) Version 2.4.0**.

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 2.4.0) was first made available (under preview) for installation on 04/06/2015 and world-wide distribution on 05/05/2015.

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 2.4.0 is a minor version release following previous versions of 2.2.x released in November 2014 ([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 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). 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) Google Chrome 37.0 and above (Recommended 41.0) 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 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 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

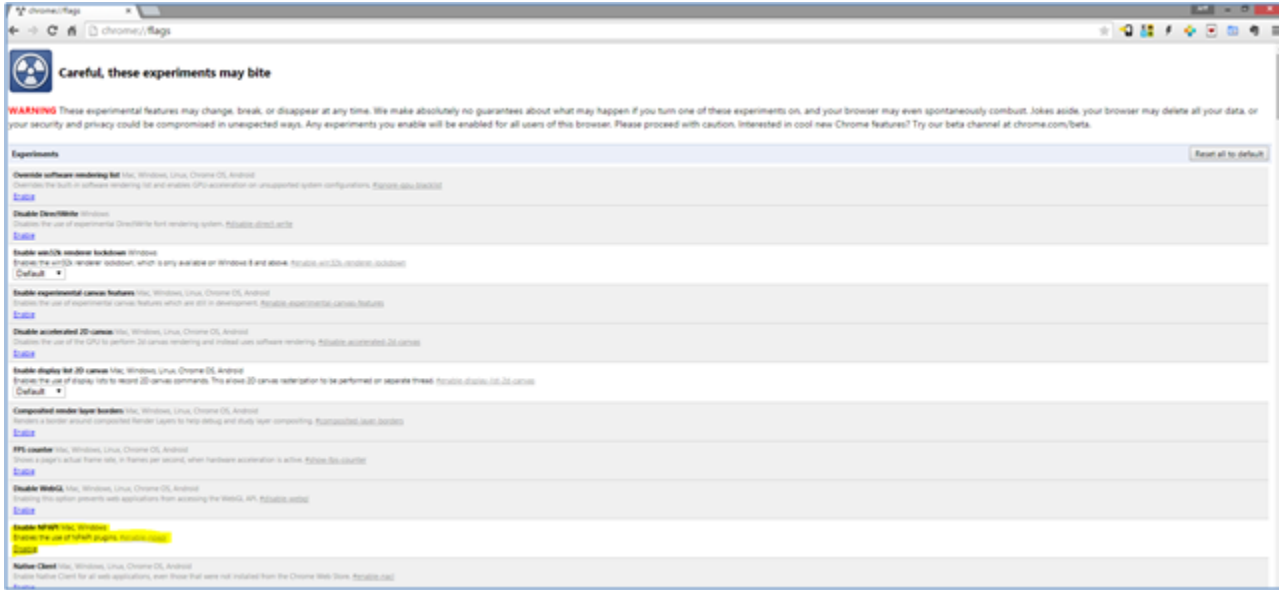
2.3.2. .NET Framework 4.5

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.

*** Please note in Google’s Chrome browser (Version 42 or higher, released on 04/20/15) NPAPI plugins such as Silverlight are disabled by default. To change this setting navigate the chrome browser in the URL omnibox to “Chrome://Flags” and change the NPAPI setting as shown below:



3. Features

3.1.1 New Features, Bug-fixes, and Enhancements

Perspective VMS 2.4.0 is a Minor Release update to Perspective VMS 2.3.0. There exist feature enhancements and maintenance items, which include:

Product Feature Name	Description
Archiving History Report	Ability to report on statistical information in graphical format of archive storage utilization per day.
Archiving Status Report	An exportable status report of all active camera's archiving statistics including: Camera Name, Model, IP Address, Archiving Server, Store Location, Oldest Archive Date, Newest Archive Date, Missing Dates, Archive Span, Archive Schedule, Archive Codec, Retention, Motion %, Storage per Day, Total Storage Used, Archive Lock Status.
Audio Streaming (Mobotix)	Ability for audio streaming for Mobotix Cameras
Camera Status Report	An exportable status report of current camera status along with support reference information.
Camera Support Tracking	An ability to annotate reference information for support items per each camera object.
Conditions Setup	Ability to define scheduling conditions for enabling a workflow which consists of defined triggers and customized actions.
Enhanced Recording	An ability for PVMS to enhance normal camera configurations (FPS and Resolution) to a changed state on trigger-able (alarm/alert) conditions defined in a workflow.
External Notifications	An ability to notify externally of PVMS (such as email) on trigger-able (alarm/alert) conditions defined in a workflow.
Logon-based Trigger	The ability to initiate/trigger a programmable action (via workflow routine) based on a user’s login.
PTZ Preset Action	An ability to move to a PTZ preset as a result of a workflow on trigger-able (alarm/alert) conditions defined in a workflow.
Server Health Report	Exportable status report of current server status along with support reference information.

System Lockdown	An ability to "one-click" lockdown the video surveillance system enabling access for only select users (based on permission assignments)
Time-based Trigger	The ability to initiate/trigger a programmable action (via workflow routine) based on a specific or recurring time.
Visual Service Status Indication	A visual alert within the events panel, annotating the service status for quick reference.
Workflows Component	Workflows are a logical association of objects, triggers, conditions and actions that allow for integration of physical and logical inputs into on-screen display actions or other notification alerts.
PVMS Favicon (Logo) Update	Enhancement: Updated with new PVMS Logo
Email Settings	Enhancement: Move IoC Email Settings to Database (Administration Settings)
Health Jobs Scheduler Settings	Enhancement: Move Health Jobs Scheduler Settings to Database (Administration Settings)
Configuration Software Licensing	Enhancement: Simple license option added for configuration only
Archive Stores	Enhancement: Addition of default Archive Store to new installation (for easier configuration).
Camera List Configuration	Enhancement: Allow for in-line editing of camera information within Camera's administration
Copy Administration Records	Bug-fix: System will not copy picture when copying user record in administration
Copy Administration Records	Bug-fix: System will keep focus on parent record after copy action
Camera Setup	Enhancement: Allow for duplicate IP addressing of cameras for testing or multi-stream
Archive Timeline Control	Enhancement: Add control to minimize Timeline Legend
Archive Timeline Control	Bug-fix: Remove condition where timeline control could become too detailed causing errors with Silverlight plug-in
Arecont Integration	Enhancement: Add multi-sensor support of Arecont models to default database configuration
Mobotix Integration	Enhancement: Add multi-sensor support of Mobotix models to default database configuration
About Perspective VMS	Enhancement: Add information for System Maintenance expiration to About page
Active User Sessions	Enhancement: Change "Delete" session to "Terminate" session for clarification purposes.
** Archive Store Threshold Management	Bug-fix: Resolve condition where moving a camera from one store to another could disable process of deleting archives meeting age threshold
** Archive Timeline Control	Bug-fix: Resolve a memory leak in populating thumbnails from H.264 archives
** MJPEG Image Extractions	Bug-fix: Resolve a condition for Image Extractions not generating for Motion JPEG archives
** Image Extraction Search	Bug-fix: Resolve a condition that limits users from seeing "private" extractions created by the user.

**** - Denotes first implemented/resolved in PVMS Version 2.3.0.1 (Emergency Bug Fix release)**

3.2.1 Full Product Feature List

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