

LENSEC, LLC.

PERSPECTIVE VMS

Release Notes (Version 2.2.0)

LENSEC, LLC.

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RELEASE NOTES (VERSION 2.2.0)

Release Notes – Perspective VMS™

Thank you for choosing to install **Perspective Video Management Software (VMS) Version 2.2.0**.

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 2.2.0) was first made available for installation on 10/22/2014.

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 2.2.0 is a minor version release following previous versions of 2.1.x released between July and October 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 10.0 and above (Recommended 39.0) 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 8 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 8 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:

- 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 2.2.0 is a Minor Release update to Perspective VMS 2.1.x. There exist feature enhancements and maintenance items, which include:

Product Feature Name	Description
Archive Playback Enhancement	Enhancements for h.264 archive video playback increasing responsiveness to rewind.
Archive Stores	Archive Stores provide the ability to dynamically store archived video across one or multiple drive volumes.
Audio out integration (Axis)	Audio out Integration for all general Axis camera models
Bi-Directional Audio	Ability to stream audio out via an on-screen control within the camera overlay of Perspective VMS. The feature utilizes the PC microphone and audio-output on selected cameras.
Camera Scan	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.
Cameras Service Report	An ability to run a report showing cameras marked as Out-of-Service
Group Permissions Report	An ability to run a report show all Groups and inherent permissions of each group for reference.
License Key Entry	Area under help to add license key information
S2 Enterprise Integration - Pull Events	Integration of S-2 Enterprise PACS for association of Access Control events and managed video surveillance.
S2 NetBox Integration - Pull Events	Integration of S-2 NetBox PACS for association of Access Control events and managed video surveillance.
SQL Server 2014 Express Integration	Provides the ability to operate and run using Microsoft SQL Server 2014 (Express).
SQL Server 2014 Integration	Provides the ability to operate and run using Microsoft SQL Server 2014.
TDSi Integration - Pull Events	Integration of TDSi readers for event association to cameras
User Default Map Selection	Provides the user the capability to select their own default map when logging into the Perspective VMS.
Mobile Streaming Enhancement	Mobile streaming service enhancement for iOS and Android devices
Android OS	Enhancements for connection, live streaming, and archive playback using the PVMS App on Android OS platforms 4.4
Custom Overlay Height	Enhancement to allow for ignoring pixels of a camera on-screen display overlay from the bottom (as well as the top) of the frame.
Multi-View Dynamic Resolution	Enhancement to the dynamic resolution feature of camera viewing in a multi-view setting allowing for the reconnect of the stream when navigating to a larger container size.
Events Panel Navigation	Enhancement to allow for Next/Previous controls on the information panel to review events.
Touch Enabled	Enhancements for Surface Pro 3 touch inputs
Archive Management	Enhancements to overall archive file management accounting for orphaned system files
Archive Service Watchdog	Enhancement to configurable service watchdog utility for monitoring the archiving service

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_2_0.pdf)