PERSPECTIVE VMS

Release Notes (Version 2.3.0)

LENSEC, LLC.

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Release notes for the Perspective VMS Enterprise, Standard, Express, Command View. and Trial Editions

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Release Notes – Perspective VMS™

Thank you for choosing to install **Perspective Video Management Software (VMS)** **Version 2.3.0**.

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 2.3.0) was first made available for installation on 02/17/2015.

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 2.3.0 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 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 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.

3. Features

3.1.1 New Features, Bug-fixes, and Enhancements

Perspective VMS 2.3.0 is a Minor Release update to Perspective VMS 2.2.0. There exist feature enhancements and maintenance items, which include:

Product Feature Name	Description
Archive Threshold Control	An ability that allows a user to determine the condition to remove archives (number of target days achieved or based on drive space only).
Audio streaming integration (IQEye)	Audio Integration for all general IQinVision camera models
Automated Database Size Maintenance	An ability to automatically maintain a database size so that it does not exceed 10GB (for SQL Express Version deployments).
Borderless Multi-view	An ability to view multi-view arrangements without pixel space or borders between containers.
Camera Dock - Rapid Map Callup	An ability that allows users to navigate to maps associated to cameras within the dock.
Camera Status Testing	An ability inside of camera configuration to test the camera stream status.
Custom Logon Script/Message	An ability to create a custom message for users logging into Perspective VMS. This message can be a one-time acceptance by the user, or persistent for each access attempt to the software. The message(s) may be custom tailored for each permission group and multiple messages may be prioritized or ranked for sequential viewing and acknowledgement.
Logon Acceptance Message Report	Provides the ability to generate a report for all users who have agreed to the Custom Logon Message Agreement.
Multi-channel / Multi-Sensor Camera Model Setup	Ability to configure multi-sensor / multi-channel cameras
Scheduled Recording	An ability to schedule various parameters of recording on camera during selected schedules
SQL Backup/Restore	A feature that would allow for an SQL database backup routine to be initiated and/or scheduled through PVMS
Full-screen Typing	Enhancement: Resolved an issue where users were not able to type while in full screen mode.
Fast-Find Analytic	Enhancement: Add multiple clip extract button to Fast-Find Search results
Panasonic PTZ support	Enhancement: Panasonic PTZ Support Handler
PTZ Control	Enhancement: Added digital PTZ support
Snapshot Preview	Bug-Fix: Resolved a scenario where the snapshot preview was generating in low resolution
Fast Archive Playback Control (h.264)	Bug-Fix: Resolved a scenario where multi-speed rewind was not performing in h.264 archives
NTSC/PAL support	Enhancement: Allow for regional resolution support of cameras based on their supported values for NTSC and PAL.
Tagging Preview	Bug-Fix: Resolved a scenario where a tag will disappear from a preview container.
Services (64-bit)	Enhancement: Allowing all services to leverage a 64-bit server infrastructure. This increases memory utilization per service as well as optimizes the host server/pc.
Image Extraction Queue	Enhancement: Allow for the deletion of a pending Image Extraction
SSL Support	Enhancement: Allow for easier configuration of SSL by a select checkbox in Server Administration
Archived Neighboring Cameras	Enhancement: Allow Neighboring Cameras to operate and navigate from Archive Playback in Camera Module
Door Alerts	Enhancement: Changed the grid format for pop-up display of door events
Map Locator	Enhancement: An ability to zoom in map (launched from Map Locator)
Map Administration	Enhancement: An ability to download previously saved maps
Maps Module	Enhancement: Need ability to present lower resolution maps to consolidate bandwidth
Multiple Aspect Ratio Viewing	Enhancement: Support for 8:3 aspect ratios
User Profile	Enhancement: Allow for user default map selection

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_3_0.pdf)