Release Notes for Ocularis v5.7 (5.7.0.460)

General

Ocularis v5.7 provides versatile new feature enhancements to fortify system redundancy and security. There are several new features, fixes, and an updated recording component. These changes apply to all three models of the Ocularis 5 platform including Ocularis Professional, Ocularis Enterprise and Ocularis Ultimate unless otherwise noted.

These release notes reference the latest software build 5.7.0.460.

New Features in This Release

Ocularis Administrator/Base/Recorder Proxy

- Support for TLS 1.2

    This release supports TLS 1.2 encryption for stronger encryption and protection against cyber-attacks. It can be used to secure all logins including Ocularis Administrator, Ocularis Client and Ocularis Media Server. For certain upgrade environments, additional steps may be required. See *Upgrading from v5.x* below.

- Ability to Log into Ocularis is now a Scheduled Feature

    The system administrator can now control when an Ocularis user can log in to Ocularis using Ocularis Client, Ocularis Web or Ocularis Mobile. Using Ocularis Administrator, Weekly Schedules can be configured on a user group basis. By default, all users have 24 / 7 / 365 access but administrators can reduce this time period to only when the operator's shift takes place. There is also a Holiday calendar to further define acceptable login times for each user group. Refer to the *Technical Notes for Ocularis 5.7* for more details.

- Recorder License Information

    In Ocularis Administrator, you can now view the license status of Ocularis Recorders. In the *About* tab, the 'Recorder Licenses' sub-tab provides a unified display of Ocularis recorder license information as well as the number of cameras used. This saves you the effort of logging into each Master Core individually to locate this information.

- Ocularis Recorder Proxy Connection Issue Indicator

    In the event where the Ocularis Recorder Proxy has lost connectivity or whose service has stopped, there is an indicator that will pulse next to the corresponding recorder displayed in the *Servers/Events* tab of Ocularis Administrator. This helps the system administrator know the health of the system and provides notice to take action and investigate.

- Folders in Views Tab are Persistent

    In the Ocularis Administrator *Views* tab, if the user group is expanded to display a view or folder and you switch tabs, the same view or folder will be displayed when you reenter the *Views* Tab, allowing you to return to the same place.

- Multiple Maps are now selectable

    In the Ocularis Administrator *Maps* tab, you can now select multiple maps when adding them to a group.

- Bookmarks Associated with User Group

    If a user account is deleted, any bookmarks created by that user remain as part of the user group's bookmarks.

- Duplicate User Account Identifies User Group

    In the Ocularis Administrator *Users/Privileges* tab, if an Administrator tries to create a user account with a duplicate username, the informational message will display the User Group name of the original user account.

- Updated Group Administrator Privileges

    In the Ocularis Administrator *Distribution Groups* tab, Group Administrator level accounts can view existing event Distribution Groups but cannot add, modify or delete Distribution Groups. A Group Administrator can remove a group member from a Distribution Group if necessary.

- **Three New Views Available**

    Three new view layouts are now available in the *Views* Tab of Ocularis Administrator or when creating views in Ocularis Client. These are: 1 x 2, 1 x 3 and 1 x 4.

Ocularis Client

- **Login Performance Improvements**

    This release also improves the login time on systems that include a larger number of cameras, users, views and maps.

- **Live Video Streaming Improvements**

    Using the Ocularis Client, *Client Setup* utility, users can now prioritize between having smoother video using buffering vs. potentially erratic video. This feature is most useful when cameras are connecting to the recorder over an inconsistent network. The setting applies to all cameras and it not recommended for PTZ cameras. After configuration, log off and then back into Ocularis Client to enable changes to this setting.

- **Export Alarm Based Recording Only**

    In Ocularis Client *Database Format* export, you can now limit the export to only the portion of the video clip that is colored red on the Kinetic Timeline (alarm-based). This is useful for cameras that have both Standard and Alarm recording enabled. It allows you to only export the video that is of most importance and saves space and time during the export process. Refer to the *Technical Notes for Ocularis 5.7* for more details.

- **Access to Video Wall Configuration**

    Using the Ocularis Client, *Client Setup* utility, all users can now configure the local PC as a video wall.

Ocularis Web

- **WebRTC Replaces Adobe Flash**

    WebRTC technology has been incorporated into the browser-based Ocularis Web client to provide faster video load times, more responsive PTZ camera control and improved overall security. Refer to the document *Ocularis Web – WebRTC Configuration* for detailed instructions on importing certificates in the supported browsers. TCP Port 8420 is now required for viewing live video.

- **Updates to Browser Support**

    In addition to Google Chrome, Mozilla Firefox and Apple Safari, Ocularis Web now supports the Microsoft Edge browser. The Microsoft Internet Explorer browser is no longer supported. We recommend using Google Chrome on either Windows or Mac as we found this browser to provide the best overall performance.

- **No Pixel Height Restrictions**

    The previous restriction of providing a stream 600 pixels vertically has been lifted. There is now no limit to the resolution that can be displayed using Ocularis Web.

Ocularis Recorder

- **Video Backup for Keeping A Video Copy in a Central Location**

    Formerly called *Video Data Export*, this feature, included free with PRO, ENT and ULT, has been improved to allow for automatic backup / exports of video that can be stored in any accessible location on the network. If the export is interrupted, it will be resumed automatically upon reconnection. Backed up video may be accessed by any configured Device Manager and optional HTML reports can be issued containing information related to the export. The default is to backup once per day but you can trigger a backup to occur as frequently as once per hour.

- **Video Backup Alerting**

    An automated alert can be configured related to the new Video Backup feature mentioned above. The alert can be sent when the backup has started, was interrupted, has failed or has completed successfully.

- Mirrored Recording

    Cameras can be configured to be recorded to two Device Managers to provide for data redundancy while only using one stream from the camera. This feature is available in Ocularis ULT only and additional licensing is required.

- New Smart Camera Drivers

    This release introduces new Smart Drivers for Vanderbilt, Eclipse, Uniview and Sony Generation X. Existing Smart Driver functionality has been expanded for: Axis, Bosch, Dahua, Panasonic, Wisenet and Onvif.

- Two-Way Audio Support Added

    We have expanded two-way Smart Driver audio support for the following manufacturers: Allnet, Axis, Bosch, Convision, Dahua, Grundig, Hanwha Techwin, Hikvision, Interlogix, Northern, Sony, TKH Security Solution and Vivotek.

- Ocularis Recorder Manager Cosmetic Improvements

    The GUI for Ocularis Recorder Manager has been streamlined and improved for a cleaner interface and more efficient use of screen real-estate.

- Enhanced Trigger Functionality

    You can now call a URL as an action as a result of an Ocularis Trigger. This can be used to send CGI comments to cameras and other systems.

Installation

- Ocularis Media Server Installer Available Via Download Link

    The installer executable for Ocularis Media Server is available as a downloadable executable file either from the OnSSI.com website or as a redirect from the Ocularis Component Downloads page. You can access the download from this link https://onssi.com/software-downloads/#oms.

Issues Fixed / Changed

- Fixed an issue where logging in to Ocularis Base with Ocularis Client, Ocularis Web or Ocularis Mobile would not work if any other Ocularis component was installed on the same computer prior to installing Ocularis Base.

- An issue was fixed where playback from certain Sony cameras did not work properly in Ocularis Client (18064).

- In Ocularis Client, live video would pause when manually switching a specific camera stream between H.264 and H.265 video streams. This has been fixed (18066).

- Fixed an issue where the Ocularis Administrator About tab's Recorder Licenses screen did not display a vertical scroll bar for systems with many recorders (18069).

- Fixed two issues that could lead to exception errors inside Ocularis Client.

- A fix was made in Ocularis Client where the Handled Alerts list would not display in a timely manner (17101).

- In Ocularis Client, if Performance Mode was enabled, the software could cease to function when switching between *Live* and *Browse* modes. This has been fixed (17749).

- Views would not display in Ocularis Client if the non-Administrator user group was assigned two or more of the same view groups. This has been fixed. (17543).

- An issue was fixed where in Ocularis Client, cameras set to H.265, 1980x1080 with 30 fps would display grey video for a second when toggling back to multiple camera view from a maximized single pane view (17872).

- Password encrypted database exports that had a camera name in Hebrew or Arabic could not be successfully opened in Ocularis Client. This has been fixed (15915).

- The 'Don't ask again' checkbox used when upgrading Ocularis Client is now functioning properly (17152).

- In the event where Ocularis Base becomes disconnected from the network, the EC (Event Coordinator) status indicator will display in Ocularis Client to notify the operator that there is a connectivity issue (17889).

- In prior versions, the Event Coordinator service needed to be restarted in order for Generic Events to be registered in Ocularis Base. A restart is no longer necessary (16353).

- Camera-specific triggers needed to be created in Ocularis Recorder Manager only after the camera had been added to the system. This has been fixed. (17176).

- In Ocularis Web, the time to load a lengthy list of Bookmarks has significantly improved (17415).

Known Issues

- With Ocularis Web and Ocularis Mobile, if a user attempts to login outside of their scheduled login times, an incorrect error message is displayed (17811).
- It is not suggested to export video to .AVI format on cameras with a resolution above 3 megapixels. We recommend using the database export option in these cases (18013 &18055).

Installation

New Systems

If you are installing v5.7 on a new system, download the full Ocularis installation package from the OnSSI website. Extract and install Ocularis components as described in the document *Ocularis Installation and Licensing Guide.*

Upgrading from v5.x

This upgrade is available free to all customers with a valid StayCURRENT plan.

To upgrade to Ocularis 5.7 from Ocularis 5.x, simply download the full installation package from the OnSSI website and reinstall all components on top of existing components (starting with Ocularis Base) except Ocularis Client and Ocularis Recorder components (i.e. Master Core, Device Manager, Slave Core, Ocularis Recorder Manager).

For Ocularis Client, if you are upgrading from Ocularis v5.3 or prior v5, you must reinstall the new version on top of the old version. When upgrading from v5.3 SP1 or later, let the operator upgrade at the next login using an automatic update feature.

Ocularis Administrator will be upgraded or installed on the Base computer automatically. If you want to upgrade Ocularis Administrator on other PCs, you may do so via the Ocularis Component Download web page.

The recorder components have been updated in this release. You should check the hardware recommendations page on the website for supported systems (https://onssi.com/hardware-recommendations/). We recommend letting the Update Service feature perform an automated upgrade of the recorder software to R13. Refer to the document *Ocularis Installation and Licensing Guide* for more details on the Update Service.

Upgrading to a TLS 1.2 Environment

If you have implemented TLS 1.2 security and are using SQL Server Express 2008 as the Ocularis Base database, SQL must be upgraded manually to a version that supports TLS 1.2. SQL Server Express 2008 was included with Ocularis version 5.1 and prior but may also be present if you have upgraded to version v5.2-5.6 from an older Ocularis version. If you are unsure of your version of SQL Server, check with your IT department or contact support@onssi.com. In certain cases, you may need to reinstall the Ocularis v5.7 Base after implementing TLS 1.2 security. Refer to the *Technical Notes for Ocularis 5.7* for more details.

It is strongly recommended to upgrade Ocularis Base, Administrator and Client(s) before upgrading the recorder.

Upgrading from v4.x or earlier

This release is available for existing customers with a valid StayCURRENT plan. If you are upgrading from v4.x or earlier, obtain a new Ocularis SLC from OnSSI Sales. Download and run the full Ocularis installation executable from the OnSSI website on the Ocularis Base computer. The installation process will uninstall and then re-install all necessary files. Then, use the Ocularis Component Downloads web page found on the Base to download the remaining Ocularis Components throughout the system with the exception of the Ocularis Recorder components.

Legacy v4.x recorders will work with Ocularis v5.7. If you want to migrate legacy recorders to a v5 recorder, obtain a new recorder license file from OnSSI Sales and install the v5 recorder from scratch. Refer to the document *Ocularis 5 Upgrade Manual: General Guidelines* on our website for additional instructions and guidance.