

Release Notes for Ocularis v5.3

General

Ocularis v5.3, OnSSI's latest generation of Ocularis, focuses on several enhancements, fixes, an updated recording component and an all new Ocularis Media Server for remote video monitoring. These enhancements and fixes apply to all three models of the Ocularis 5 platform including Ocularis Professional, Ocularis Enterprise and Ocularis Ultimate unless otherwise noted.

New Features in This Release

- Updated Ocularis Media Server including Ocularis Web and Ocularis Mobile

Ocularis Media Server has been revamped; it is now a 64-bit application and takes remote video monitoring to the next level. With Ocularis Web, view simultaneous live or recorded video using any popular web browser. Receive notifications and react immediately when alarms are triggered. Ocularis Web supports H.264 streams only.

With Ocularis Mobile, you can view live and recorded video (H.264, MPEG4, MJPEG and MxPEG) from the field, be alerted when an event occurs and handle alerts from the app. With the Android version, you can stream video from the mobile device to Ocularis and even view the location of field devices and cameras on a map.
- Ability to Set Default Live Stream

With Ocularis 5's support of multiple live streams from a camera, you can now identify which stream will appear as the default live stream when an Ocularis Client view is first displayed. An 'Auto' option is also available to let the software select the best stream to display based on system resources. The operator, as always, can change to another stream if given permission to do so. For more information see the *Technical Notes for Ocularis 5.3*.
- Ocularis components are now offered in 64-bit versions

All components, the Base, Client, Administrator, Event Proxy, Recorder and Ocularis Media Server are now 64-bit applications. For upgrades on 64-bit operating systems, 32-bit components will be converted to the 64-bit version. Please note that all Ocularis components that reside on the same computer must be of like version (i.e. all 64-bit or all 32-bit). Ocularis Client is still available as a 32-bit application if needed and may be downloaded from the OnSSI website at <http://onssi.com/software-downloads/>.
- The Ocularis Recorder Component has been updated
 - ▶ We recommend upgrading to the new version, release R9, using the self updating Update Server Service. Refer to *Appendix B of the Ocularis Installation and Licensing Guide* for more details.
 - ▶ There is a new Smart Driver for Bosch cameras (currently supports Firmware 6.30 only)
 - ▶ There is a new Smart Driver for FLIR F and PT series cameras
 - ▶ There have been improvements to other drivers:
 - The Hikvision Smart Driver adds support for any event type (including analytic events)
 - The Axis Smart Driver adds firmware 6.4x support and removes capture mode setting
 - The Generic Video Driver adds audio support for RTSP streaming
 - ▶ Operators are now able to take a camera offline or online manually or using an event. For more information see the *Technical Notes for Ocularis 5.3*.
- Multiple administrator accounts are now supported on Ocularis Base

In addition to the 'admin' user, you can now create multiple admin users. A new user group, 'Administrators', is created during installation and any user account created in this group will be a system administrator, just like the 'admin' account, giving Ocularis customers the flexibility to allow multiple people to administer the system. For more information see the *Technical Notes for Ocularis 5.3*.
- There is now additional Dewarping Support for Axis and ACTi cameras

- Shared Maps is now the default
When creating maps in *Ocularis Administrator*, the default option is now to place the map in the Shared Map group. This makes sharing the map with any Ocularis user group quick and easy.
- Windows Server 2016 is now supported
The following components have been tested and certified to work with Windows Server 2016 Standard: Ocularis Base, Client, Administrator, Event Proxy and Media Server. Ocularis Recorder components, while tested without incident, have not yet been certified.

Issues Fixed / Changed

- Fixes an issue where, if a camera's image was rotated in an Ocularis 5 recorder, optical zoom did not accurately reflect the desired zoom area for several different camera manufacturers. (13045)
- Path size for data storage of an Ocularis Client database export using audio has been increased from the former limit of 84 characters. (13115)
- When exporting video using database format, Ocularis Client incorrectly deleted the OML file but continued processing the export when multiple cameras were selected. This has been fixed. (12349)
- Fixed an issue when using the audio-only Axis P8221 device, the Kinetic Timeline incorrectly jumped to the year 1969 when using Browse mode in Ocularis Client. (12671)
- In Ocularis Client, when you maximized a pane from the center row of a 4x2x4 view and then restored the pane, the maximized pane would be replaced with a camera from the top row, rather than display the maximized camera to its original pane size. This has been fixed. (12895)
- Also in Ocularis Client, restoring a maximized pane from a multi pane view (2 x 2, 3 x 3, etc.) did not work correctly. When the operator clicked the Image Bar to restore the maximized pane to its original size, another camera pane from the view would display as maximized. This has been fixed. (6874)
- Fixed an issue where the Trigger privilege restriction was overlooked when using Ocularis Client in Limited Mode. (11548)
- Enhancements were made to improve the stability of *Ocularis Administrator* when adding or refreshing recorders in the Servers / Events tab. (12939)
- When refreshing a recorder using *Ocularis Administrator* on a server where both the Base and Recorder were installed and NAT was used, the refresh would require hairpin natting on the router to work successfully. This has been fixed. (12936)
- In Ocularis Client Browse mode, when you clicked the 'Move Forward one frame' icon, the video would move one frame backwards. This has been fixed. (7439)

Known Issues

- If using the 64-bit version of Ocularis Client, the installation of the Xvid codec is required in order to export to .avi format.
- The use of a 4K monitor is supported only on Windows 8.1 & Windows 10 (not Windows 7). For Ocularis Client to be displayed properly, set the custom sizing option for screen resolution to 200%.
- If you are using multiple live streams with privacy masks set on the Base (via *Ocularis Administrator*), the mask position may change when you select a stream with a different resolution. Set the privacy mask on the camera to avoid this from happening.
- To stream video with Ocularis Media Server using an Android device, the device must have an IMEI number. Devices without cellular service do not have these identifiers and therefore cannot stream to Ocularis even though streaming can occur via wifi.
- For the ACTi dewarping plug-in, please note that the scroll wheel action is inverted as compared to other cameras.
- When using Ocularis Web with Mozilla Firefox, the scroll wheel operates the opposite of other browsers.
- If you are running a mix and match environment using v4.x recorders and corresponding event proxy, and these components reside on a computer where other Ocularis components are installed, you will need to update the

event proxy to 64-bit. The links to the 64-bit v4.x event proxies can be found on the software downloads page on the OnSSI website. <http://onssi.com/software-downloads/>

- Members of the Administrators user group may not see all views on Ocularis maps.
- In Ocularis Administrator's Users / Privileges tab, the 'Change Stream' box must be checked in the 'Camera Privileges' group in order to view Live video.

Installation

New Systems

If you are installing v5.3 on a new system, download the 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 release is available for existing v5.x customers with a valid StayCURRENT plan. Download and run the full Ocularis installation executable from the OnSSI website on the Ocularis Base computer. Upgrade the Base first. The installation process will uninstall and then re-install all necessary files. Then, use the Ocularis Component Downloads web page located on the Base to download the remaining Ocularis Components throughout the system with the exception of the Ocularis Recorder components. For the recorder components, make sure you have the most up-to-date patch installed, manually refresh the recorder SLC and configure the Update Service to automatically download full upgrade packages. The upgrade will proceed automatically. You can find instructions on how to do this in the document *Upgrading to Ocularis 5.3*. If you are upgrading a 32-bit component to a 64-bit component, the installation files will be located in the existing directory

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. 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 v5.3. 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.