

August 23, 2012

# Release Notes for Ocularis v3.5

## General

Version 3.5 of the Ocularis Platform introduces a range of features focused on simplified system administration, in addition to many enhancements to day-to-day operation. This includes automated camera licensing that allows the system administrator to freely connect and replace cameras within a 30-day grace period; a revamped user-privileges scheme; and new recorder components for all Ocularis feature sets. Ocularis Client supports 12 languages including: English, Russian, Swedish, Finnish, German, Dutch, Spanish, Italian, Portuguese, French, Italian and Arabic-Modern Standard.

## New Installation Requirements

- New Ocularis SLCs are required for version 3.5 (upgrades and new installations)
- New recorder SLCs are required for all 3.5 recorders in the form of a license file (.lic filename extension)
- Microsoft .NET 4.0 Framework is now required for the recording components in Ocularis PS, Ocularis IS and Ocularis CS.

## New Features in this Release

### Changes applicable to all Feature Sets of Ocularis v3.5 (Ocularis PS, IS, CS and ES)

- Privacy Mask Support
  - Privacy Masks may now be created in the Ocularis Administrator for any fixed camera using free-form polygon shapes allowing for improved perspective. Privacy Masks created on the recorder or camera are also supported.
- New User Permission Scheme within Ocularis Administrator
  - By default, the settings for each user within a user group are inherited by the group's members. Each member can further have differing access rights on a user-level basis. The Ocularis Administrator Video Walls tab was removed and the creation of Video Wall names moved to the User / Privileges tab.
- Additional user-access settings have been added to provide the administrator more flexibility in assigning user privileges.
  - The parameters available for configuring access for user groups and user accounts have been expanded to include: the ability to create, view and delete bookmarks; modify one's own settings within Ocularis Client; and component access to the Circular Control menu within Ocularis Client.
- Cameras may now be grouped in order to batch-apply specific application permissions and access rights
  - Camera grouping was added so that feature privileges can be configured on a camera group. Any camera within, or added to that group will inherit the access privileges to those features.
- Alternate camera names (aliases) and detailed descriptions may be assigned to cameras for improved identification.
  - Camera names may be customized in Ocularis for easier identification when viewed with Ocularis Client. This allows the name on the recorder to be different from that which is displayed in the Ocularis Client. A lengthier description is also allowed to further identify the camera in key areas of the Ocularis Client.
- Time Zones for Distribution Group Schedules may be set by the Administrator
  - Weekly or Holiday schedules in Ocularis Administrator may be set to any time zone as determined by the system administrator.
- Better Support for Multi-Stream Cameras
  - Only one license is required for supporting multi-stream cameras on all Ocularis feature sets. The cameras included are: Arecont 180 / 360 degree, IQ Eye Cameo and Axis Area View. (For Ocularis PS, while utilizing one camera license, these cameras will still count as connecting four cameras when calculating the maximum number of cameras supported on the recorder.)

- Support for Mobotix's MxPEG Codec
  - Cameras which stream in MxPEG are now viewable in Ocularis Client.
- Dual Streaming on the Client
  - All recorders now support the ability to view video using one stream while recording the same video with another stream.

Changes applicable to Ocularis PS, Ocularis IS and Ocularis CS Recorders:

- Cameras added to the recorders of these feature sets are now fully operational upon installation, and have a 30-day grace period until they must be licensed.
- Licensing cameras may be done instantly through OnSSI's new automated online process. The offline licensing system has also been automated.
- System performance may be increased by disabling motion detection or adjusting motion detection resolution on a camera by camera basis.
- Archiving may now be done on an event-triggered basis as well as by schedule providing more configuration flexibility.
- Cameras which support secure transmission may now stream via HTTPS, allowing for secure communication between the camera and the recorder.
- A data collection option is available during software installation of the Recorder application. Anonymous usage statistics will be collected while it is running. No uniquely identifiable information is collected; the data collected is used for improving the recording component software. You may opt out of this data collection during the installation of the recorder.
- The Ocularis VideoWall add-on is now available in Ocularis IS as well as Ocularis CS and Ocularis ES.
- Licensing cameras on the Ocularis IS recorder has been optimized by modifications to its new v3.5 SLC. Now, a single RC-I SLC may be used on up to 5 servers or for up to 320 cameras. For larger installations, additional SLCs are available upon demand at no charge.
- The RC-C and RC-I recorder, included with Ocularis CS and Ocularis IS respectively, have been updated to version 8.0. The RC-P recorder, included with Ocularis PS, has been updated to version 2.0.
- All recorders included with the v3.5 release (PS, IS, and CS) now support H.264 with interlaced field-encoding.

Changes applicable to the Ocularis ES Recorder:

- Licensing cameras may be done instantly through a new online process.
- A 64-bit installation option, in addition to 32-bit, is available for the RC-E recording component allowing for the potential of more cameras per server and improved server performance.
- A PDF report is available displaying system status information to capture the multitude of parameters configured in the system.
- A system monitor utility displaying current and historic information on system performance and storage is now available providing improved system management.
- Video stored on edge-devices may now be retrieved on demand using a rule in addition to a time schedule.
- GOP (Group Of Pictures) lengths are now adjustable (MPEG4 & H.264) allowing for improved bandwidth as well as for use in video pruning.
- Cameras which support secure transmission may now stream via HTTPS, allowing for secure communication between the camera and the recorder.
- Axis 1-Click is now supported which improves remote camera configuration.
- Folders containing video data are now displayed in a readable format.
- The RC-E Manager (Management Client) include an easy way to backup the configuration database.
- A new profile called "Day Length Time Profile" (Sun-Clock) may be used in rules. This profile accounts for hours of daylight for a defined position where the GPS coordinates are provided.
- The RC-E recorder, included with Ocularis ES, has been updated to version 5.0.

### Issues Fixed

- Unhandled exception pop-up appeared during Ocularis Client log off on Windows XP (1104)
- MPEG4 color was distorted in Browse mode (1656)
- Generic Event timestamps displayed incorrectly in Ocularis Client (1098)
- Using Ocularis Client to export video from a camera equipped with Panomorph lens in quad view to .AVI format resulted in a single view export (1440)
- Ocularis Client Video Wall did not maintain the 'Keep when Maximized' quality setting (1161)
- The 'Locate on map' icon was missing from the Alert Manager list in Ocularis Client (1563)
- Encrypted video databases exported with audio yielded the message 'Audio file does not exist' in the Ocularis Viewer (1546)
- Disabling NAT (Network Address Translation) caused the Ocularis Administrator to stop responding (1569)
- User accounts could have been created using invalid characters (1181)

### Known Issues

The following known issues are for informational purposes and will be addressed in a future release.

- Erroneously dragging cameras from the Carousel Editor to a View Panel causes an exception in Ocularis Administrator (2204)
- Dragging a shared folder containing shared maps to a user group does not share the individual maps. You must drag and drop each map separately (1862)
- The Ocularis Viewer displays a single pane for database exports of a quad view from a panomorph camera (2085)