

Release Notes for Ocularis v1.0 SP3

General

Service Pack #3 (SP3) of Ocularis v1.0 is inclusive of the Ocularis ES and Ocularis DS packages, which incorporate the NetEVS and NetDVMS recorders, respectively.

Ocularis v1.0 SP3 significantly expands the software's video intelligence and automatic detection capabilities, with the Ocularis Analytics add-ons.

Additional new features include improved localization support; a new video database viewer for viewing multi-camera video evidence exports and NVR data editing capabilities.

The Ocularis v1.0 SP3 install package includes the NetDVMS 6.5g and the newly-introduced NetEVS 3.1a video management systems (VMS) for Ocularis. NetEVS 3.1a provides failover for both the management server and the recording servers, among many other new features.

Compatibility

Ocularis v1.0 SP3 is compatible with 32- and 64-bit hardware, and supports the Windows 7, Vista and XP operating systems (except for components that require the MS Windows Server 2003/2008 operating system; see the Ocularis Installation and Licensing Guide, or visit www.onssi.com for more information.)

Licensing and upgrading

- For licensed (purchased) versions: upon upgrading from Ocularis v1.0 SP2, the user's existing Software License Code (SLC) must be reentered. There is no need to obtain a new SLC for the upgrade.
- For demo versions: demo SLCs for previous versions of Ocularis may or may not be compatible with the SP3 version, depending on the version installed and the SLC itself. To check which version of Ocularis is installed and view the SLC, launch the Ocularis License Activation application, through the desktop icon on the PC that hosts Ocularis Base.
 - Software License Codes (SLC) for versions of Ocularis predating SP2 will require a new SLC.
 - SP2 SLCs will work with SP3 as long as they follow the format: X01-XXXX-DXXXCXXXXXXXXXXXXXXXXX-XXXX (where 'X' represents a digit 0-9), with the characters 'D' and 'C' in the exact positions as shown. Otherwise, a new demo SLC is required.
 - To obtain a new demo SLC, contact sales@onssi.com.

Feature Changes

- Ocularis Analytics add-on integration:

Video Content Analytics enable the accurate detection of movements and behaviors, both human and vehicular, corresponding to highly configurable rules. Detections are displayed in the form of a graphical overlay, and can be combined with an visual, audio, push-video or other type of alert.

Ocularis Analytics is compatible with cameras' on-edge processing, and are fully scalable, with no limit on the number of connected cameras, analytics modules per camera, analytics rules or analytics servers.

Within the Ocularis Client, dedicated indicators and controls will appear when displaying an analytics-equipped camera:

- Sensor status indicator (enabled/disabled)
- Toggle graphical metadata display, regardless of sensor status.

- Edit NVR Information in Ocularis Base:

Users are able to edit NVR (recording server) information through the Ocularis Administrator, to reflect login and addressing changes in the NVR. This eliminates the need to delete and re-assign an NVR server following a change in the NVRs login and/or addressing information.

The Edit NVR Information feature supports network address translation (NAT). For recording servers operating behind a firewall, local internal IP/subnets may be added, deleted or edited.

- New Ocularis Video Database Viewer:

The new Video Database Viewer (Ocularis Viewer v.2.0) is a standalone application that allows viewing multi-camera video databases, without the need for an installed video client application. The Viewer is uploaded to, and runs directly from, the portable media used for exporting video evidence.

Video database export is used typically where an AVI file is not acceptable as evidence, or for exporting multiple camera streams within the same file.

Features of the Video Database Viewer include:

- Comprehensive set of playback controls: play, frame-by-frame, skip to end/beginning of video or go to specific time stamp. Playback is synchronous for all cameras displayed.
- Scalable timeline, color coded for motion activity and areas of recorded video. The timeline can be dragged to control multi-camera synchronous playback.
- Digital PTZ (pan, tilt & zoom).
- Export video of selected camera as AVI file, optionally preceded by a preamble including video and camera data as well as user's annotations.
- Export still-image (.jpg) annotated incident report, or multiple-frame still-image folder.

- Limit Browsing to a number of hours, per user group:

This feature allows the administrator to set an hourly limit for browsing video on a per camera basis in the Ocularis Administrator. The browse limit is set on a user group basis when a user views recorded video in the Ocularis Client.

If a user does not have browsing privileges for a specific camera, the navigation buttons (pause, ff, rewind) should not appear on the UI in live monitoring mode. In browse mode, any camera that does not have browse privilege should have a darkened out viewport. The Limit browse feature applies also to events, bookmarks, and video walls.

- Expanded Localization:

The Ocularis Client interface now supports, in addition to English, also Portuguese, Spanish, French and Italian. Users are able to select the interface language during install.

- Dynamic Mapping:

With Dynamic Mapping, references to cameras, views, and resources represented as links on navigation maps are updated automatically upon changes in these resources, so that the links are not severed.

Such changes include changing the camera name in a recorder, changing view names, deleting a 'pin' (point of interest) from the database, etc.

NetDVMS 6.5g and NetEVS v.3.1a Recorders

The Ocularis installer package includes both the OnSSI NetDVMS 6.5g and NetEVS 3.1a recorder (NVR) applications.

Introduced concurrently with Ocularis v1.0 SP3, NetEVS 3.1a provides failover for both the management server and the recording servers, among many other new features.

See the Specification Sheets and the A&E (architecture and engineering; available on request) documents for technical specifications for both recorders.

Fixes

- Provided a method to suppress the ImmerVision verification algorithm, to prevent cameras not equipped with ImmerVision lenses to be detected as ImmerVision-equipped cameras. This is done by creating a file named onssidisableimmervision.txt in the root of the c: drive. (ref FB 684).
- Fixed an issue whereas in some instances, exporting as multiple frames returned only the first frame of the highlighted range (ref FB 620).
- On occasion, a portion of the video playback was skipped when playing back exported clip in Ocularis Viewer. This was fixed in the new Ocularis Viewer (ref FB 559; see 'New Features'.)
- Fixed an issue, whereas the 'Multicast Stream' message intermittently appeared as an overlay over the video pane (ref FB740)
- Fixed an issue whereas stored passwords were not encrypted in the SQL database (ref FB 751).
- Fixed an issue whereas the Timeslice feature was inoperable for video recorded in MPEG4 or H.264 formats, in those cases where keyframes only were recorded (ref FB 252).
- Fixed an issue, whereas in some instances, when connecting to the Ocularis Server remotely, navigation maps display the message 'Unable to Parse URL' instead of showing the camera names. (ref FB 614)
- Fixed an issue whereas the Aspect Ratio of a camera stream was lost when pushing an entire view to a video wall (ref FB 637).
- Fixed an issue whereas in a few occasions, PTZ positioning for relative positioning cameras was inaccurate (ref FB 638)
- Fixed an issue, whereas for some hardware configurations, the virtual joystick and physical joystick function equally (ref FB 727)
- Fixed an issue whereas the Ocularis Client remote display control window (which displays the video shown on a remote display, as controlled by the Ocularis Client user), displayed live rather than playback video (ref FB 655).

- Fixed an issue whereas in some cases, the View name did not update when pushing a view to a video wall display (ref (ref FB655).
- Fixed an issue whereas camera-level events (events associated with a specific camera) were not available under the Triggers tab in Ocularis Client (ref FB 676).
- Fixed an issue whereas the virtual joystick could be dragged outside of the video pane, causing it to increase the PTZ speed. The fix bounds the virtual joystick inside the video pane, so that dragging it beyond the video window does not change the PTZ speed. (ref FB 728).
- Fixed an issue whereas in some cases camera preview overlays in the Ocularis Client navigation maps become locked and could not be closed (ref FB 743).
- Fixed an issue whereas on rare occasions, views with multiple blank screen panes (panes dedicated to receiving push-video alerts) would lock-up after receiving a large number of events (ref FB 449).

Known Issues

- The Ocularis Event Coordinator (EC) must be re-started after a generic event (data-link event) is defined (ref FB 669)
- Cameras added from a 'slave' ImageServer are duplicated, when two NVR servers are set as masters for the same slave NVR Server (ref FB 585)
- In some cases, and depending on hardware configuration, opening multiple view previews within the Ocularis Navigation Map may cause the Ocularis Client application to crash (ref FB 635)