

OCULARIS
2009 North American Product
Innovation of the Year Award
FROST & SULLIVAN

Ocularis Add-Ons

Leverage the power of the Ocularis PSIM Platform with best-of-breed integrated solutions

As a modular system, end-users can enhance the functional capabilities of their Ocularis solution by adding Add-On components to the Ocularis Base. Ocularis Add-Ons extend the solution from a comprehensive NVR management system to a video-centric Physical Security Information Management (PSIM) system, delivering value to the entire enterprise.

Ocularis Video Wall The Ocularis Video Wall add-on enables sending video to video wall monitors and remote displays anywhere on the network, from a command center or desktop, through Ocularis Client's unified, map-based controller interface. The Ocularis Video Wall Controller can accommodate any number of cameras, displays and simultaneous operators at multiple sites.

Replacing bulky analog multiplexing hardware with the industry's most advanced virtual video matrix switching software, Ocularis Video Wall makes Ocularis the ideal IP-video platform for enterprise-scale command and control centers, central station and remote alarm monitoring operations.

Ocularis Client's map-based, touchscreen-enabled (optional) interface enables pushing any camera to any display simply by dragging a camera or camera group icon to the video wall panel, thus eliminating the need to remember camera, server, site or display codes. Camera streams can be controlled using optical and digital PTZ, instantly investigated, and exported as evidence, all within the Ocularis Client. Operators have access to a common dynamic events list for shared event handling. The Video Wall Controller requires minimal training to proficiency, significantly reducing operating costs.

Ocularis Analytics Video Content Analytics enable the accurate detection of movements and behaviors, both human and vehicular, corresponding to highly configurable rules. By detecting and filtering events, alert-based displays are pushed to subscribers on an as needed basis, allowing fewer operators to efficiently monitor ever-growing camera arrays.

Together with a graphical metadata overlay indicating the object or movement that triggered the event, analytics-generated alerts can be pushed automatically to users' Ocularis Clients and/or Video Wall displays. Multiple rules, for a variety of behaviors, can be applied to a single camera, and complex detection scenarios can be created by linking analytics rules based on a predefined sequence of events.

Ocularis Analytics integrates with cameras and video encoders equipped with 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. Ocularis' Event Fusion capability enables the generation of composite alerts by linking analytics-generated events to events generated by third-party access control, transaction or other systems.



Ocularis Video Wall - intuitive, IP-based video wall management



Content Analytics metadata displayed in Ocularis Client, with optical & digital PTZ controls



OnSSI
IP To The Core

Ocularis Transact* provides an effective solution for integrating transaction data into the Ocularis Client, allowing instant access to video of transactions from cash registers, toll collection systems, license plate recognition systems, ATMs and other systems.

Transaction data received by Ocularis Transact is presented alongside multiple-camera, time-stamped video of the transaction. Video of an individual transaction can be called by time/date, free text, or other methods, synchronized, and presented with video data. Clicking on the video window will bring up the details of the transaction shown. Transaction source data is received via serial server, serial cable or IP interface, using multiple data protocols, and can be filtered for video integration using an easy-to-use editor.

Once accessed, transaction entries can be synchronously scrolled together with corresponding video from multiple cameras, reviewed using the Ocularis Client's array of investigation tools, shared among unlimited concurrent operators at multiple sites, and exported for court evidence.

3rd-Party Access Control System Integration Ocularis enables integration with third-party access-control systems, for linking high-quality video to access-control-generated events at human and vehicular entry points. Access control events can be combined with video content analytics to create composite events, corresponding to rules configured in both systems. Such events can distinguish, for example, between 'legal' tailgating (legal swipes by all entrants) and 'illegal' tailgating (second person did not swipe; not detectable by the access control system alone). Once an access control alert is received, it can be further investigated in the Ocularis Client using a variety of investigation tools, shared among multiple operators at multiple sites, and exported for court evidence.

The Ocularis Event Fusion functionality allows configuring a wide range of actions in response to access-control events, including video recording, push pop-up video alerts to Ocularis Client users or video wall displays, or triggering an alarm.

Ocularis Video Synopsis Powered by the BriefCam Video Synopsis™ engine, enables the compression of video activity into a very short timeframe for faster identification of key events. With Ocularis Video Synopsis, a day of video footage can be compressed into a one- or two-minute video clip. Simultaneously displaying multiple objects and activities that have occurred at different times, Ocularis Video Synopsis allows operators to find and display any event, within minutes, through the generation of a video synopsis - a short video clip summarizing the events within the original full length video.



Ocularis Transact - instant access to video of individual transactions



Ocularis Video Synopsis - composite video of simultaneously-presented sequential incidents

Ocularis GIS (Geographic Information System) - Mapping* The Ocularis Client's map-based navigation to sites and cameras is significantly enhanced with multi-layer mapping and dynamic camera positioning. GIS-based mapping allows for GPS tracking of cameras in moving vehicles, tracking clients as well as incorporating real-time data about traffic conditions, weather, user information and more.

3rd-Party Analog Matrix Switching Integration* User's existing analog cameras and matrix switching systems can be integrated into Ocularis, allowing for flexible video wall and remote display management through the Ocularis Client's map based interface.

*Available in Future Release

Ordering Information

Ocularis Video Wall

The Ocularis Video Wall add-on requires a video wall base license (OC-VWM-Base), as well as a camera license (OC-VWM-1C), for each connected camera or encoder channel.

Ocularis Analytics

The Ocularis Analytics add-on requires an Analytics Base license (OC-AVI-B) as well as Analytics bundles for 1, 2 or unlimited analysis modules, per camera/channel (e.g. OC-AVI-TWO-1C; AVI-ENT-1C for unlimited modules per camera/channel).

Ocularis Transact

The Ocularis Transact Add-On requires an Ocularis Transact Base License (OC-TRAN-B), as well as connection licenses for each for each connected transaction source (OC-TRAN-1T).

3rd-Party Access Control System

The Ocularis 3rd-Party Access Control System requires a 3rd-Party Access Control Base License (OC-AC-B), as well as connection licenses per channel (OC-AC-1C).

Ocularis Video Synopsis

The Ocularis Video Synopsis requires a Ocularis Base License (OC-VS-Base), as well as connection licenses for each connected camera.

3rd-Party Analog Matrix Switching Integration

3rd-Party Analog Matrix System Integration requires a Base License (OC-AMS-Base) as well as connection licenses per channel/camera (OC-AMS-1C).