

# Verint Op-Center Enterprise Network Video Recorder Management

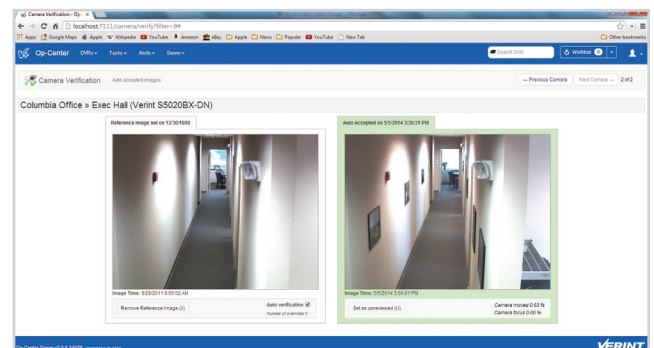
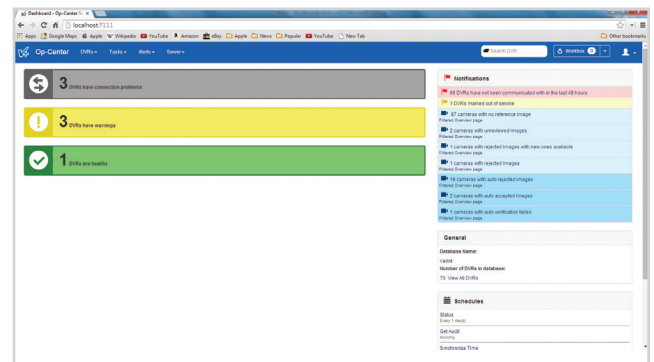
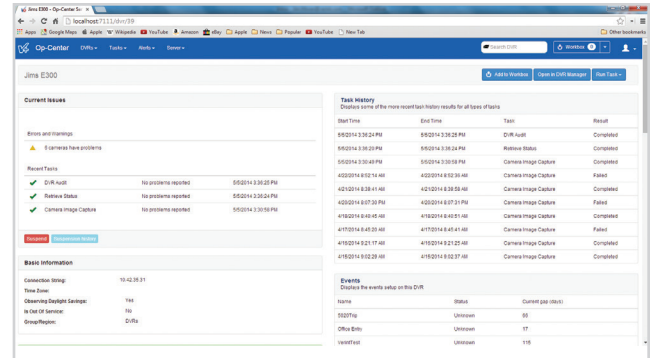
Verint Op-Center™ is an enterprise network video recorder (NVR) management solution that allows organizations to monitor, manage, and troubleshoot Verint® networked NVRs from a central location. Ideal for use in banking, retail, public transportation, and other applications, Op-Center reduces the cost and complexity of video system management across geographically dispersed locations and mobile operations.

Op-Center simplifies video system administration and enables a more proactive, efficient approach to system availability and maintenance. From a single central console, users can set up and configure NVRs, change device properties and passwords, download firmware, create powerful audit reports, and manage user rights.

Op-Center rapidly identifies potential malfunctions and camera obstructions, with remote diagnostics for large NVR deployments. Users can rapidly scan the status of all NVRs on a user-friendly dashboard and verify that cameras have not been moved or their views obscured. Op-Center also helps reinforce operational standards and uniformity in large-scale operations for more consistent, reliable performance.

Designed for use with the complete line of Verint NVRs—EdgeVR®, NetDVR™ II, NetDVR, MicroDVR™ II, and MicroDVR—this versatile software solution enhances system uptime and helps ensure that critical events can be captured as they occur.

Together with Verint Vid-Center™ for enterprise NVR viewing, Op-Center streamlines management of today's complex video operations and helps organizations realize greater return on their video investment.



Remote and centralized enterprise management software for the suite of Verint NVRs, including EdgeVR, NetDVR II, MicroDVR II and legacy systems.

## What Can Op-Center Do for My Organization?



### Banking

Banks are challenged to safeguard people and property and reduce liability and risk. Security is complex for these organizations, which may operate wide networks of branches and standalone ATM kiosks. That's why Op-Center is so important to them.

Using Op-Center, banking organizations can centrally manage NVRs in a multitude of facilities across large geographic areas. Op-Center automatically issues alerts when NVRs malfunction, hard drives become filled, or cameras are moved. This powerful NVR management software helps banks cost effectively secure their operations and ensure that critical video is available when needed. Op-Center is an important asset for banks seeking to improve security, address claims, and build evidence.



### Retail

Shrinkage, liability, and fraud, plus the difficulty of securing vast properties and large scale operations, present retailers with formidable challenges. Op-Center can help these organizations reduce the cost and complexity of managing video systems, while improving their effectiveness.

With Op-Center, retailers can centrally configure, monitor, and maintain NVRs in virtually any number of locations. This versatile software eliminates the need to dedicate on-site staff to check that NVRs are functional and that cameras have not been moved or their views obstructed. Plus, Op-Center rapidly alerts the appropriate staff to situations that prevent critical video from being recorded.



### Public Transportation

Public transportation organizations face unique challenges in securing stations, bus yards, and other properties, as well as vehicles in transit virtually 24 hours a day. Op-Center provides these organizations with comprehensive, centralized video system health monitoring for their entire fixed and mobile operations from a single dashboard.

Using advanced wireless technology, Op-Center communicates with vehicles in motion to quickly identify malfunctions, camera obstructions, and other situations that can compromise video availability. Op-Center allows video to be scheduled for download when a bus or train returns to depot and provides automated video downloads and email alerts when critical events occur. This robust enterprise NVR management software eliminates the cost, inconvenience, and delays associated with manually downloading vehicle hard drives. And with one-click firmware updates for the entire fleet, Op-Center reduces NVR downtime and maintenance costs.

Op-Center increases video system availability and helps transportation operators effectively secure passengers and drivers, reconstruct events, reduce vandalism, and build evidence.

## Unequaled Efficiency, Availability, and Ease of Use

Op-Center makes managing thousands of remote NVRs as simple as managing a single site. With Op-Center, NVRs can be set up, configured, and maintained from a central location. Op-Center allows organizations to centrally manage firmware updates, time synchronization, passwords, user rights, device properties, and email alerts. Additionally, Op-Center reports provide a holistic view of enterprise video operations and can be customized by NVR type, NVR status, or period of time, such as when multiple outages occurred, to help organizations understand and address the causes of downtime.

### Simplify NVR Checkups with Our Intuitive Dashboard

The dashboard provides a quick overview of NVR health. On the left, three colored boxes indicate the status: 3 DVRs with connection problems (red), 3 DVRs with warnings (yellow), and 1 DVR that is healthy (green). On the right, a 'Notifications' section lists various issues such as communication failures, cameras out of service, and image quality problems. Below the notifications, there are sections for 'General' (Database Name: Verint, Number of DVRs in database: 70) and 'Schedules' (Status: Every 1 day(s), Get Audit: Monthly, Synchronization Time).

Op-Center streamlines diagnostic troubleshooting. An intuitive dashboard displays NVR information in an easy-to-read, color-coded format, with red, yellow, and green indicators, so users can see at a glance the operational status of all networked NVRs.

Op-Center camera verification confirms that cameras have not been moved and that their views are not obscured or out of focus.

This screen provides detailed information for a specific NVR, 'Jims E300'. It includes sections for 'Current Issues' (6 cameras have problems), 'Recent Tasks' (DVR Audit, Retrieve Status, Camera Image Capture), 'Basic Information' (Connection String, Time Zone, Observing Daylight Savings, Is Out Of Service, Group/Region), 'Task History' (a table of recent tasks), and 'Events' (a table of system events).

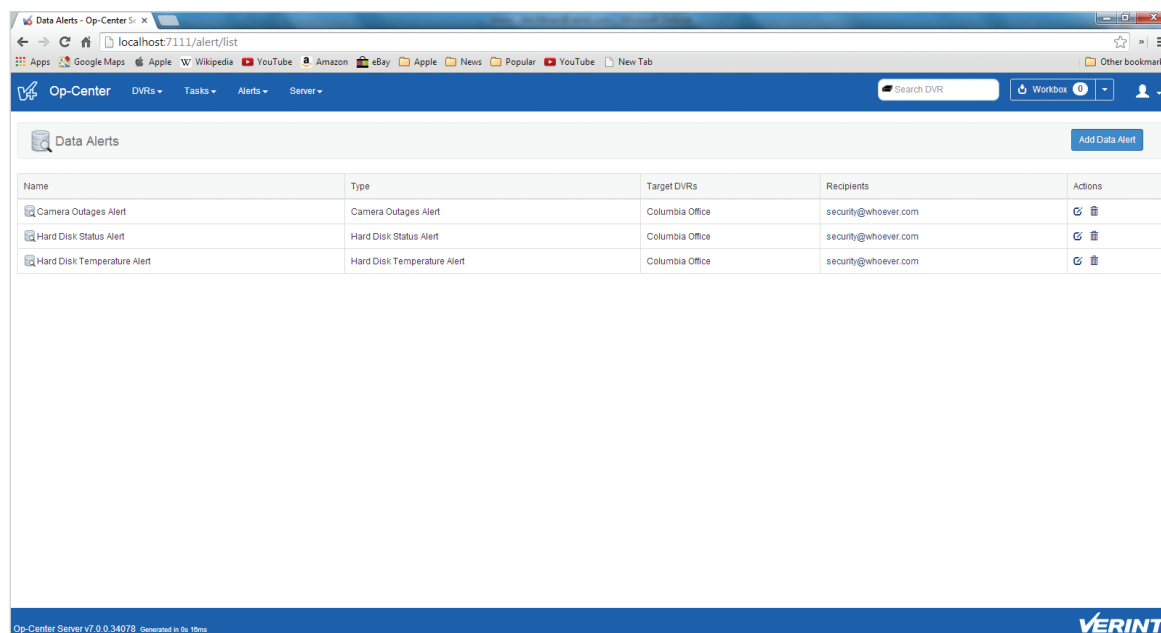
Start Time	End Time	Task	Result
5/5/2014 3:38:24 PM	5/5/2014 3:38:25 PM	DVR Audit	Completed
5/5/2014 3:38:20 PM	5/5/2014 3:38:24 PM	Retrieve Status	Completed
5/5/2014 3:30:49 PM	5/5/2014 3:30:58 PM	Camera Image Capture	Completed
4/22/2014 8:52:14 AM	4/22/2014 8:52:36 AM	Camera Image Capture	Failed
4/21/2014 8:39:41 AM	4/21/2014 8:39:58 AM	Camera Image Capture	Completed
4/20/2014 8:07:30 PM	4/20/2014 8:07:31 PM	Camera Image Capture	Failed
4/18/2014 8:40:45 AM	4/18/2014 8:40:51 AM	Camera Image Capture	Completed
4/17/2014 8:45:20 AM	4/17/2014 8:45:41 AM	Camera Image Capture	Failed
4/16/2014 9:21:17 AM	4/16/2014 9:21:25 AM	Camera Image Capture	Completed
4/15/2014 9:02:29 AM	4/15/2014 9:02:37 AM	Camera Image Capture	Completed

Name	Status	Current gap (days)
5020Tnp	Unknown	66
Office Entry	Unknown	17
VerintTest	Unknown	115

System administrators can perform extensive system health and status checks, displaying more than 30 pieces of information related to system NVRs, including total storage capacity and free space, percentage of recorded video that is motion related, and licensing data, which enables users to determine whether NVR firmware has been updated to support specific features and functionality. These screens are fully customizable, allowing users to view only the information they want in a tabular, easily indexed format.

## Manage Devices Proactively with Op-Center Scheduling and Alerts

Automatic email alerts notify users when NVRs require attention, allowing organizations to monitor recording devices proactively and respond to problems quickly and efficiently. With this feature, system administrators can schedule status checks at specific times for specific conditions – for example, hard disk status or hard disk temperature, camera outages, or events – and receive email notification if an issue needs to be addressed. Authorized personnel can schedule these alerts to repeat as often as they would like, whether every hour or once each day.



The screenshot shows the 'Data Alerts' section of the Op-Center web interface. It features a table with columns for Name, Type, Target DVRs, Recipients, and Actions. There are three alerts listed: Camera Outages Alert, Hard Disk Status Alert, and Hard Disk Temperature Alert. Each alert is configured to target the 'Columbia Office' and send notifications to 'security@whoever.com'. An 'Add Data Alert' button is visible in the top right corner of the table area.

Name	Type	Target DVRs	Recipients	Actions
Camera Outages Alert	Camera Outages Alert	Columbia Office	security@whoever.com	✉ 🗑
Hard Disk Status Alert	Hard Disk Status Alert	Columbia Office	security@whoever.com	✉ 🗑
Hard Disk Temperature Alert	Hard Disk Temperature Alert	Columbia Office	security@whoever.com	✉ 🗑

## Streamline Operations with Centralized Firmware and Password Management

Op-Center provides powerful management features, including:

- NVR password management for scheduling password updates and managing user and administrator passwords by region
- NVR groups and database management for assigning groups of NVRs by status, region, and type
- NVR firmware management for managing firmware updates across the enterprise

For more information about Op-Center, Vid-Center, and the full line of intelligent, network video recorders, visit us at [verint.com/videosolutions](http://verint.com/videosolutions).

### Verint. Powering Actionable Intelligence®

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