

# NetDVMS

Enterprise-Scale Network Video Recorder (NVR)

The World's Leading Platform for IP Video Surveillance,  
Featuring Multiple Video Clients Including Ocularis Client Lite

NetDVMS is OnSSI's market-leading multi-site, multi-server enterprise-scale network video recorder and camera management platform. Now featuring the revolutionary Ocularis Client Lite, it provides automated event detection and intelligent video delivery through integration with physical security systems and advanced content analytics.

**The Power of IP Video Surveillance** IP-Based surveillance means that cameras can be securely monitored, recorded, administered and accessed from any authorized workstation or portable device within the local network or over the Internet. With NetDVMS, the most powerful IP-based solution by far, OnSSI has established its leadership in the new era of surveillance management systems.

**Extensive Camera Management** Position any number of PTZ cameras anywhere on the network, wired or wireless, without the need for video matrixes, multiplexers or switches.

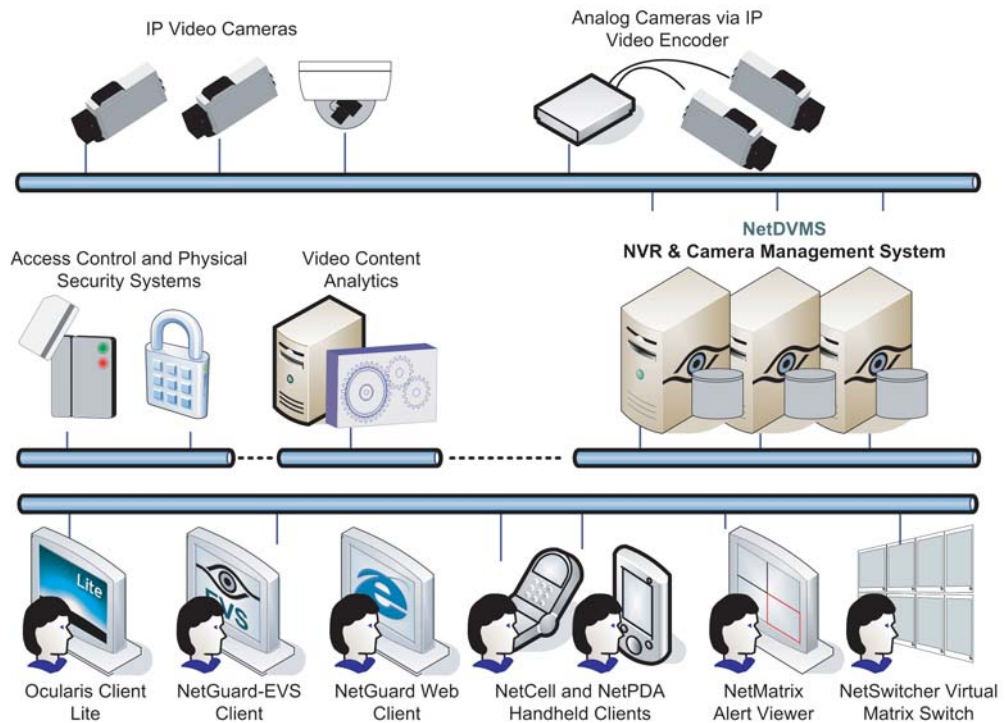
Each camera can be configured independently for frame rate, resolution, compression format, recording mode and storage location. Video is recorded and securely archived to any location on the network multiple times each day. Cameras can be accessed and controlled using a wide range of clients - the Ocularis Client Lite and NetGuard-EVS desktop clients, the browser-based NetGuard, the NetSwitcher video wall virtual matrix switch (optional), and the NetCell and NetPDA handheld clients.

**Universal Camera Support** NetDVMS supports over 400 IP camera and encoders, as well as all popular video formats - giving you the most flexibility in camera selection. Choose the IP cameras that are right for the job, including megapixel, 360° and specialty cameras, or retrofit your existing analog cameras using video encoders.

**Built for Convergence** OnSSI's open-architecture technology allows for seamless convergence with security, retail and other organizational systems. Simple-to-use APIs enable integrating NetDVMS with Access Control, Contact Closure, Fire Alarm Panels, Emergency Phones and most other IP-based systems, to create a true alarm, alert and event management system.



Live monitoring with instant investigation in Ocularis Client Lite



### Features and Specifications

- The most comprehensive recording solution for large-scale, Multi-Site/Multi-Server deployments supporting an unlimited number of cameras
- Support for over 400 IP cameras and encoders
- Simultaneous support for MPEG-4, MxPEG, MJPEG, H.263, H.264 & Wavelet video formats\*
- Standards-based, open-architecture technology, running on non-proprietary hardware
- Multiple video clients - Ocularis Client Lite and NetGuard-EVS desktop clients; NetGuard browser-based client; and NetCell and NetPDA handheld clients
- Compatible with NetSwitcher, OnSSI's revolutionary virtual matrix switch for distributed video wall management
- Unlimited number of configurable camera group views
- Instant review enabled during live monitoring, assisted by optical (when available) and digital PTZ
- Receive on-event or manual (peer-to-peer) NetMatrix push-live-video, directly within Ocularis Client Lite and NetGuard-EVS, with audible and visual alerting
- Powerful investigation tools, including the scalable Kinetic Motion Timeline; digital PTZ into live and recorded images; auto-generation of time interval and motion thumbnails via the Time Slicer and Motion Slicer; and instant access to alerts generated by external access control and other physical systems
- 50 presets per PTZ camera; Point & Click, physical joystick and virtual joystick PTZ control
- Advanced motion detection in Ocularis Client Lite, configurable for motion sensitivity as well as size and speed of object
- Maintenance-free, transparent archiving to network or local drives; per-camera configuration for archiving schedule and location
- Multiple archiving instances per day, with no down-time during transfer for video to archive
- Maximize hardware and bandwidth utilization by monitoring and recording video at different frame rates
- Two-way audio - from camera's microphone inputs to the video client, and from client to camera's speaker outputs
- Multiple-channel audio recording
- Multiple-format video export: still-image JPEG; audio-included AVI with preamble displaying all event details and user comments; and multi-camera, audio-included secure video database for court evidence
- Support for multiple networks for increased security and bandwidth management
- Flexible carousel functionality, with instant review, PTZ controls and carousel back/forward/pause
- Open APIs for integration with physical security (access control, contact closure and more) systems
- Integration with Video Content Analytics for detection of specific movement patterns and behaviors
- Alarm input (contact closure) integration
- User authentication via Windows User Account and Groups as well as NVR administrator
- Full user activity logging
- Active Directory support
- Operation as Windows® service
- Support for VMware & Microsoft Virtual PC®
- 1, 2 and 3-year Software Upgrade Plan (optional), as well as trade-in upgrade path

\* Some video compression formats may not be available in current release. Please contact an authorized OnSSI sales representative for more details.

**Distributed Access to Video** Video from an unlimited number of cameras, connected to multiple servers running NetDVMS at multiple sites, can be monitored, investigated and exported, via an array of video clients.

- Ocularis Client Lite provides all of the monitoring, investigation and video export capabilities of the Ocularis Client, the main operator interface for Ocularis, OnSSI's breakthrough IP video platform. Ocularis Client Lite's highly intuitive, optional touchscreen-enabled interface streamlines the entire monitoring and event management process. Live monitoring is enhanced with instant investigation, playback controls, as well as optical and digital PTZ. Multiple carousels with investigation and camera sequence controls, hotspots and on-alert push-video panes, allow for efficient alerts-based monitoring.

Ocularis Client Lite includes multiple tools for accessing and investigating video of incidents within seconds. The Time Slicer and Motion Slicer auto-generate thumbnails of time intervals and motion events, saving the need to review extended segments of video. The Kinetic Motion Timeline provides an easy overview of the events before and after an incident.

Ocularis Client Lite's motion detection functionality can be configured for sensitivity, size of object and speed of object, to match the characteristics of any event. Digital PTZ can be applied to both live and recorded video in any mode of operation, for accurate identification and analysis of events.

- The time-tested NetGuard-EVS desktop client provides efficient monitoring for the entire camera system, with many useful investigation tools including digital PTZ into live and recorded video and previews of motion sequences for easy access to events.
- Operating as a browser-based web service, the NetGuard client is the ideal tool for occasional monitoring or access to video over the Internet, with no software download required.
- The NetSwitcher virtual matrix switch enables incorporating NetDVMS video into a command center video-wall setting. NetSwitcher's touchscreen-enabled, map-based navigation enables one-click push of any camera to any monitor, local or remote. Incidents, detected by video content analytics, access control and physical security systems, are shared among multiple operators, for effective event management.
- Finally, NetPDA and NetCell, OnSSI's handheld video clients, provide access to live and recorded video with PTZ control presets, while on the move.



**NetPDA & NetCell**

PTZ-enabled Handheld IP Video clients/controllers



**Time Slicer and Kinetic Motion Timeline**

Access, investigate and export video of any incident within seconds



**Instant Investigation during Live Monitoring**

Full Interaction with camera, including playback controls, optical and digital PTZ



**Video Content Analytics**

Rules-based, automated detection of specific movements and behavior patterns

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NetMatrix - Automatic or manual (peer-to-peer) push video on-event

**Video Intelligence and Content Analytics** With more video content streaming from ever-growing camera systems, the need for video intelligence has become imperative. Video content analytics allow the same number or fewer security operators to address the continually growing amount of video data. OnSSI's open-standards connectivity with physical security devices enable detecting events and exceptions, based on rules, automatically and in real time. Video Content Analytics modules add a higher level of recognition of exceptions and movement patterns, including directional movement, unattended objects and vehicles, motion tracking, crowd behavior and more. The result is the efficient and automatic detection of events and exceptions that are streamed to users - automatically - through intelligent remote, web and mobile video clients/controllers.

**Event Management** NetDVMS provides automated processes capable of turning volumes of video data into critical information. Motion events or events generated by external physical security systems, can be accessed and investigated within seconds via Ocularis Client Lite. Video of the event, together with audio captured by camera-connected microphones, can be easily exported as an AVI file or video database for use as court evidence.

**Protecting Your Investment** OnSSI offers an optional Software Upgrade Plan (SUP) that will keep your system current with the latest features and functionalities. And as a 100% non-proprietary solution, you are always able to upgrade your Windows® operating system and install best-of-breed hardware components.

**Setting the benchmark for IP Video Surveillance** With thousands of installations worldwide and more city-wide and multi-site deployments than any other IP Video Surveillance software platform, OnSSI's IP video platforms have become the standard for law enforcement installations, local and federal government agencies, corporate installations and school districts worldwide.

Ordering information

NetDVMS-Base  
Master software license

SUP-NetDVMS-Base-1Y  
SUP-NetDVMS-Base-2Y  
SUP-NetDVMS-Base-3Y  
1, 2 or 3-year Software Upgrade Plan for NetDVMS-Base (optional)

NetDVMS-1C  
Single camera license

SUP-NetDVMS-1C-1Y  
SUP-NetDVMS-1C-2Y  
SUP-NetDVMS-1C-3Y  
1, 2 or 3-year Software Upgrade Plan for NetDVMS-1C (optional)

Compatible with Cameras and Video Encoders by:

- ACTi
- Arecont Vision
- Axis
- Bosch
- Canon
- CBC
- Digimerge
- D-Link
- Extreme CCTV
- Flir Systems
- GE
- Infinova
- Intellinet
- IQInvision
- JVC
- Linudix
- Lumenera
- Mobotix
- Panasonic
- Pelco
- Pentax
- Pixord
- Samsung
- Sanyo
- Sony
- StarDot
- Toshiba
- VCS
- Verint
- Videoalarm
- Videology
- Vivotek

Visit [www.onssi.com](http://www.onssi.com) for an updated list of supported models

Minimum hardware requirements

Workstation and server requirements depend on camera count, frame rate and resolution. For complete updated recommendations, please visit our website at [www.onssi.com](http://www.onssi.com).

Related products from OnSSI

Ocularis Client Lite  
Touchscreen-enabled desktop video client for NetDVMS

NetGuard-EVS  
Desktop video client for NetDVMS

NetGuard  
Browser-based remote video client for NetDVMS

NetPDA  
Portable Video Client

NetCell  
Portable Video Client

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