

Release Notes for NetDVMS Rev 6.5g

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1. Release Notes for NetDVMS 6.5g

1.1. General

NetDVMS v6.5g is bundled with the Ocularis Client Lite video client version 2.0. See the release notes for Ocularis Client Lite 2.0 for more details.

1.2. Installation Notes

- NetDVMS 6.5g is a mandatory upgrade to all demo versions of 6.5f, as it extends the expiration date of the previous versions.

It is important to note that the new version does not require a new software license code (SLC), and does not require any new configuration.

2. Release Notes for NetDVMS 6.5f

2.1. General

NetDVMS v6.5f is now bundled with the new Ocularis Client Lite video client version 1.5. This new version also includes fixes to the NetDVMS ImageServer and the Recording Server Service Manager.

2.2. NetDVMS 6.5f - fixes

- Fixed a memory performance issue in the Image Server, whereas previously when the virtual memory utilization exceeded 2GB, the image server became intermittently unstable.
- Fixed various Image Server stability issues.
- Fixed an issue where the Recording Server Manager System Status Window would not work properly on Microsoft Vista/2008 Server.

2.3. Ocularis Client Lite v1.5 – added functionality

- H.264 Support - Version 1.5 provides support for the H.264 compression format, improving overall bandwidth utilization while improving image quality.
- Broader audio support for additional audio-supported models.
- Improved Kinetic Timeline functionality.
- Cross-fade transitioning between cameras when selecting a new camera from the camera pane circular menu.

3. Release Notes for NetDVMS 6.5e

3.1. Ocularis Client Lite

Ocularis Client Lite (Patent Pending) is OnSSI's breakthrough video client for its entire line of Network Video Recorders. It provides the tools to efficiently and effectively monitor large camera arrays, access and

investigate video of incidents, and export evidence, all through an intuitive, touchscreen-optimized (optional) user interface. Ocularis Client Lite is available for free download at www.onssi.com.

3.2. NetDVMS 6.5e – Software download and installation management

- **New Installation interface** – The look and feel of the installation utility has been changed significantly. The new procedure allows users to select which NVR features to install, (default installation is strongly recommended), and reduces the number of steps involved in the full-version installation process.
- **Localized language installers** – Separate software installers are now available for English, French, Spanish and Chinese, for the respective language versions of the software.

3.3. NetDVMS 6.5e - Changes and fixes

Changes:

- **H.264 support** – see supported devices page for supported models, at http://www.onssi.com/products/supported_devices.php
- **Low Disk Space Handling** – the method of handling of low disk space on the recording drive has been changed. A low disk space warning message is displayed upon the following:
 - When the amount of available disk space goes below 10%, and the available disk is below the sum of 30 GB plus 1.5 GB per camera.
 - or
 - When the amount of available disk space goes below the sum of 150 MB plus 20 MB per camera.
- **PTZ improvements** – Joystick PTZ control has been improved for all camera models. Improvements were also made to the Sony RX5xx series PTZ devices.

Fixes:

- Fixed an error where in rare cases the wrong camera would display live in the client software.
- Fixed an issue where in rare cases audio would not play back if the pre/post buffer was set to 0 seconds.
- Fixed master–slave network issue.
- Fixed an issue whereby the Recording Server would crash if the message field was blank .
- Fixed several issues that in rare cases crashed the Recording Server.

3.4. NetGuard-EVS 4.6d Video Client

Changes:

- **ImageServer Low Bandwidth Performance** – Client users are able to connect and disconnect much faster when connecting remotely to an NVR system over a low bandwidth connection
- **H.264 Support** - see supported devices page for supported models, at http://www.onssi.com/products/supported_devices.php

Fixes:

- Fixed memory leak that occurred while using the carousel option.

3.5. **NetGuard Remote Client 4.5e (browser-based client)**

- **H.264 Support** - see supported devices page for supported models, at http://www.onssi.com/products/supported_devices.php

4. Release Notes for NetDVMS 6.5b

4.1. NetDVMS 6.5b - Client downloading and installation management

- **Download Manager** – The Download Manager software feature controls which clients can be downloaded to remote users' computers and in which languages. Note: the ImageServer webpage page is now replaced by the Download Manager page.
- **Server Side Installers** – Administrative tools that allow system administrators to control which client versions (NetGuard-EVS and NetGuard) users can download via the Download Manager. For example, the system administrator can place a Spanish-version NetGuard-EVS on the server for users to download.

4.2. NetDVMS 6.5b - Changes and fixes

Changes:

- ImageServer Administrator: when specifying the 'Outside IP Address' under 'Enable Outside Access', it is now possible to enter the Hostname, while previously only an IP address was allowed.

Fixes:

- Fixed an issue where the Recording Server 'System Status window' would stop updating.
- Fixed an issue where a camera would fail to archive properly if a previous archive was done with no recorded video.
- Fixed an issue where the system failed to archive when the database reached its maximum size and the 'archive automatically when database is full' option was selected.
- Fixed an issue where cameras would fail to archive if the viewer (browser) program was displaying those cameras during archiving.
- Fixed an issue where if archiving should fail for a camera, a new database is created instead of continued writing to the old database, which would result in overwriting of recorded video.

4.3. NetGuard-EVS 4.5b Video Client

Changes:

- Audio is supported in Carousel, whereas the concurrently-displayed camera serves as the audio source.

Fixes:

- Fixed an issue where the NetGuard-EVS client would cause a memory leak when right-clicking to use the context menu.

4.4. NetGuard Remote Client 4.5a (browser-based client)

Changes:

- It is no longer possible to download the NetGuard Remote Client; it can only be run through Internet Explorer.

Fixes:

- Fixed an issue where the NetGuard Remote Client used to crash when switching to a different webpage or hitting the 'home' button.

4.5. NetPDA/NetCell Software

- **Chinese language support** – Chinese language versions of The NetPDA Server and NetPDA client are now available.

4.6. Backwards Compatibility

Compatibility with NetSwitcher – Only NetSwitcher 1.6 or 1.4.8 are compatible with NetDVMS 6.5b. Please contact support@onssi.com to acquire this version.

4.7. Known Issues:

- **'Database Connect Error' during archiving** – in rare cases, and only on systems running 55 or more cameras, one or more cameras might generate a 'Database Connect Error' during archiving and will not return online until the Administrator is launched and closed. If the 'Memory Tuner' Patch is applied this issue will be avoided. Please email support@onssi.com to acquire the patch.

5. Release Notes for NetDVMS 6.5a

5.1. NetDVMS 6.5a (recorder/camera management component)

- **Different frame rates for recording and viewing video** – it is now possible to view video at high frame rates for smooth viewing while maximizing disk space by recording non-event video at lower frame rates; upon event the recording frame rate can be configured to increase.
- **Two-way audio** – In addition to support for incoming audio, outgoing audio to the camera/device is now supported via the NetGuard-EVS client. In addition to monitoring and recording audio captured by microphones connected to cameras, audio can be streamed from the NetGuard-EVS to speakers connected to cameras' audio-out jacks.
- **Improved archiving architecture** – During archiving the connections to the NetGuard, NetGuard-EVS and Ocularis clients are maintained - the NetDVMS Image Server is not stopped and the connection to each camera is very briefly paused. Transport of the archived database, as well as database deletion, is done external to the archiving process.

In addition the software now allows the use of multiple archive locations and drives, and each camera can have its own retention period.

- **Recording Server Manager** – Allows for monitoring the Recording Server service. Camera and system status is graphically displayed; the Manager also enables stopping and starting the Recorder Server service, as well as launching log files.
- **MxPEG support** – NetDVMS 6.5 supports the MxPEG video algorithm supported by Mobotix, which allows for high quality images with low bandwidth requirements.

- **Ability to Start Recording directly from the NetGuard-EVS client** – Recording time period is defined under General Settings in the NetDVMS Administrator.

5.2. NetGuard-EVS 4.5a Video Client

- **Two-Way Audio support** – (see 'NetDVMS 6.5') In addition to support for incoming audio, outgoing audio to the camera/device is now supported via the NetGuard-EVS client. In addition to monitoring and recording audio captured by microphones connected to cameras, audio can be streamed from the NetGuard-EVS (via the 'talk' button) to speakers connected to cameras' audio-out jacks.
- **Export AVI with cameras audio** – Audio is now included with video in export of evidence in AVI formats.
- **Advanced Carousel Controls** – Ability to define unique carousel time per camera, as well as pausing a camera or switching to a different camera within the carousel sequence.
- **Send Start Recording Command** – By right clicking on a camera it is now possible to start recording a camera for a pre-defined period of time.
- **Advanced Commands** – It is now possible to assign specific commands such as PTZ presets to a joystick button or a keyboard key. In addition, it is now possible to send 'Wipe and Wash' commands using auxiliary commands to certain supported devices.
- **Recording Indicator** – When a camera is recording on the NVR, the process is indicated by a clear LED-style indicator above the camera view.

5.3. NetGuard Remote Client 4.5a (browser-based client)

- **Active Directory and local Windows Authentication support** – the NetGuard client now has same level of login support as the NetGuard-EVS client.

5.4. Installation and Discontinued Features

- **The following Software programs have been discontinued:**
 - Monitor program
 - Web Server and Live Feed Server
- **Installation Procedures and Licensing** – A new Software License Code (SLC) is needed for the NetDVMS 6.5 software. Installing the software requires removing the previous version of the software (while retaining the configuration files). For more information please visit <http://www.onssi.com>.

5.5. Backwards Compatibility

Compatibility with NetSwitcher – Only NetSwitcher 1.4.8 or later versions are compatible with NetDVMS 6.5a. Please contact support@onssi.com to acquire this version.