

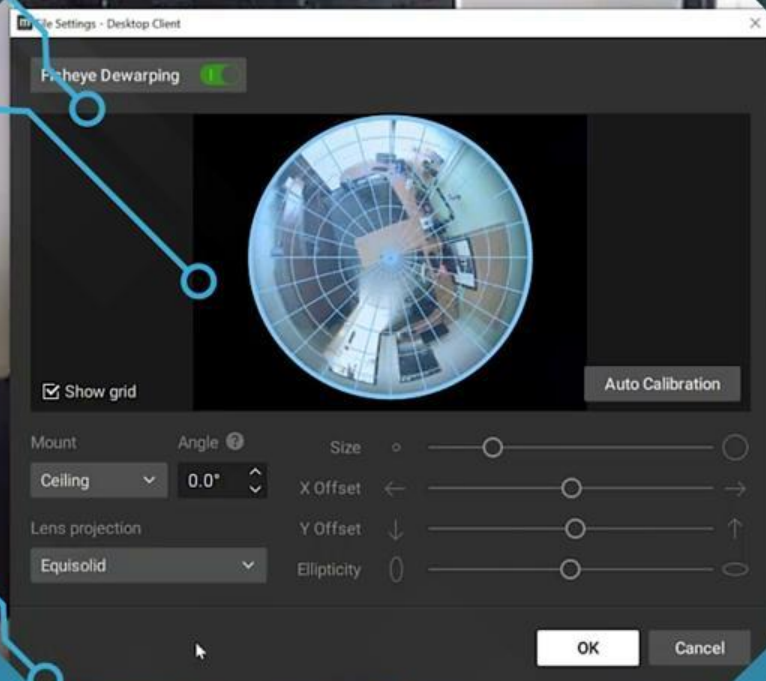


Nx Witness

VIDEO MANAGEMENT SYSTEM



v4.2



Updated Fisheye Dewarping Options

Nx Witness v4.2

KEY NEW FEATURES

Nx Witness VMS v4.2 is an iterative release focused on improved Desktop client performance and usability, and features to help you manage Systems from Nx Cloud more easily!

- Redesigned PTZ Controls
- Intel Quick Sync Video for Desktop
- New Fisheye Lens Dewarping Options
- More In-Camera Analytics Support
- Nx Cloud New Features



SECTION 01

v4.2 NEW DESKTOP / SERVER FEATURES

- REDESIGNED PTZ CONTROLS
- INTEL QUICK SYNC VIDEO DECODING
- NEW FISHEYE LENS DEWARPING OPTIONS
- MORE IN-CAMERA ANALYTICS SUPPORT

REDESIGNED PTZ CONTROLS

A new and improved way to control PTZ cameras that improves usability - especially in high latency situations with cameras that do not support advanced PTZ.

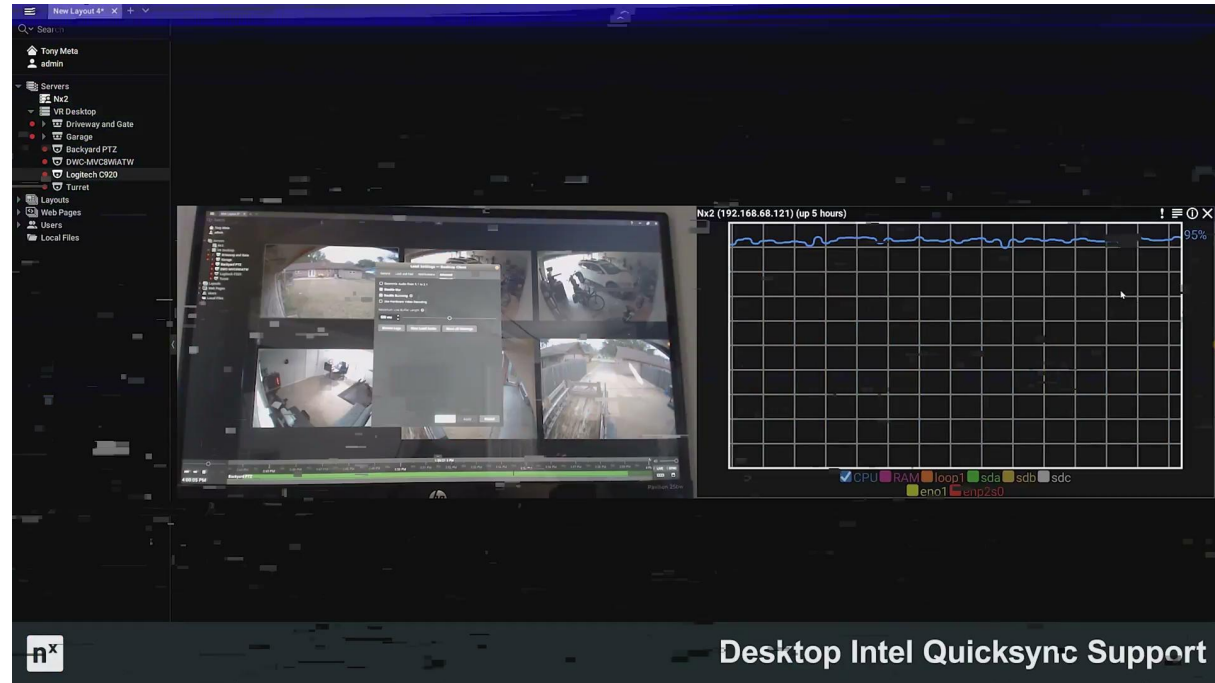
- No more AIM overlay for improved visibility
- A new click, drag, and release control makes it easier to control PTZ cameras in higher latency situations.
- Advanced PTZ controls activates when SHIFT key is pressed.



INTEL QUICK SYNC VIDEO DECODING

Intel® Quick Sync Video uses the dedicated media processing capabilities of Intel® Graphics Technology to decode and encode video.

- Improves the Desktop client performance on low power hardware (e.g. Intel Atom, Celeron)
- Decode very high resolution (e.g. 16 MP, 32MP) cameras and streams.



NEW FISHEYE LENS DEWARPING OPTIONS

Improve fisheye dewarping precision by selecting the most suitable lens projection type for your fisheye cameras.

- Equisolid
- Equidistant
- Stereographic

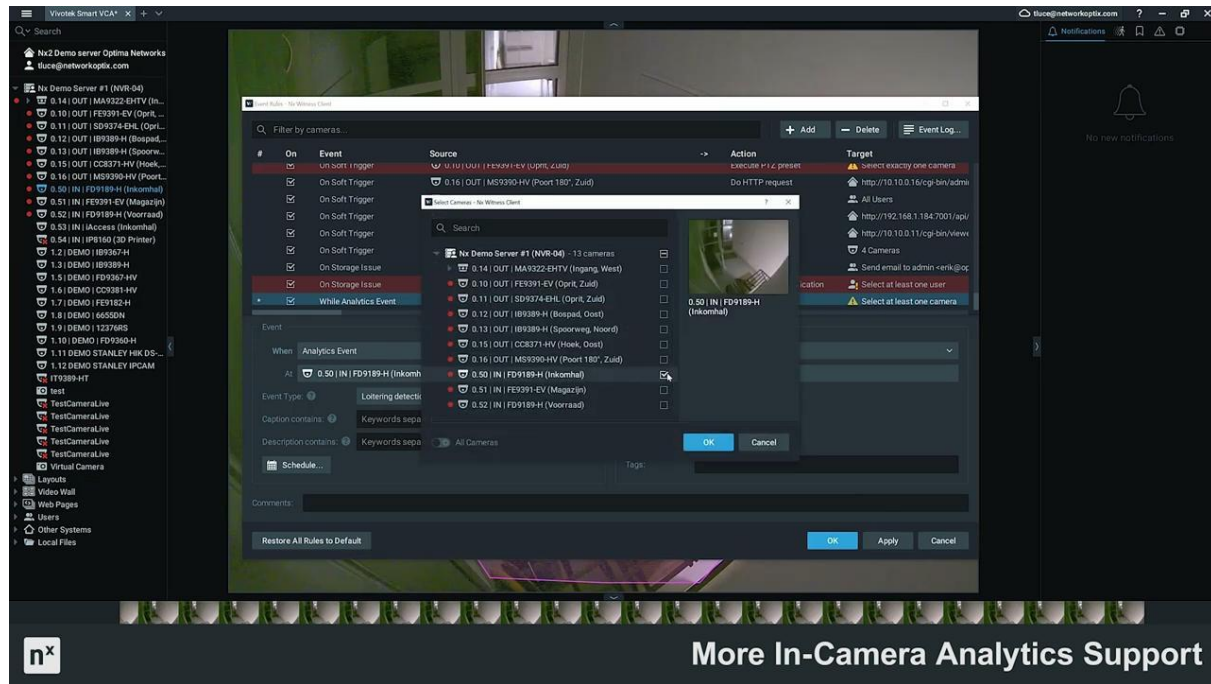


MORE IN-CAMERA ANALYTICS SUPPORT

New Advanced In-Camera Analytics Plugins have been introduced for the following manufacturers to allow users to capture object metadata / events for automations in the Rules Engine.

- Bosch
- Dahua
- Hikvision (Thermal)
- Provision
- Vivotek

See [Supported In-Camera Analytics](#) for more information.



SECTION 02

v4.2 NEW CLOUD FEATURES

- MANAGE CAMERA SETTINGS
- MANAGE SERVER SETTINGS
- MANAGE LICENSES
- MANAGE LOCAL USERS

MANAGE CAMERA SETTINGS IN CLOUD

Operators with appropriate rights can now manage Camera Settings in Nx Witness Cloud, including:

- Camera Orientation
- Audio
- Authentication
- Motion Sensitivity

The screenshot displays the Nx Witness Cloud web interface. At the top, there's a navigation bar with 'w Cloud', 'View', 'Settings' (active), and 'Information'. On the right, it shows 'Texas Office' and a user profile 'tluce@networkoptix.com'. The left sidebar contains 'System Administration' with sub-items: 'Cameras', 'Users', and 'Servers'. Under 'Cameras', a list includes 'Backyard PTZ', 'Driveway', 'Garage', 'Garage and Gate' (selected), and 'Virtual Camera'. The main content area is titled 'Motion Detection Sensitivity' and features a live video feed of a white SUV in a driveway. A green grid is overlaid on the video. Below the video is a row of 10 colored squares (0-9) for selecting sensitivity levels, with '0' currently selected. A 'Clear Selection' button is to the right. At the bottom of the main area are 'Save' and 'Cancel' buttons. The footer includes links like 'About Nx Witness Cloud', 'Download Nx Witness', and 'Integrations (β)'. The Nx logo is on the bottom left, and the text 'Manage Cameras in Cloud' is on the bottom right.

MANAGE SERVER SETTINGS IN CLOUD

Operators with appropriate rights can now manage Server settings in Nx Witness Cloud.

- Rename
- Restart
- Change port

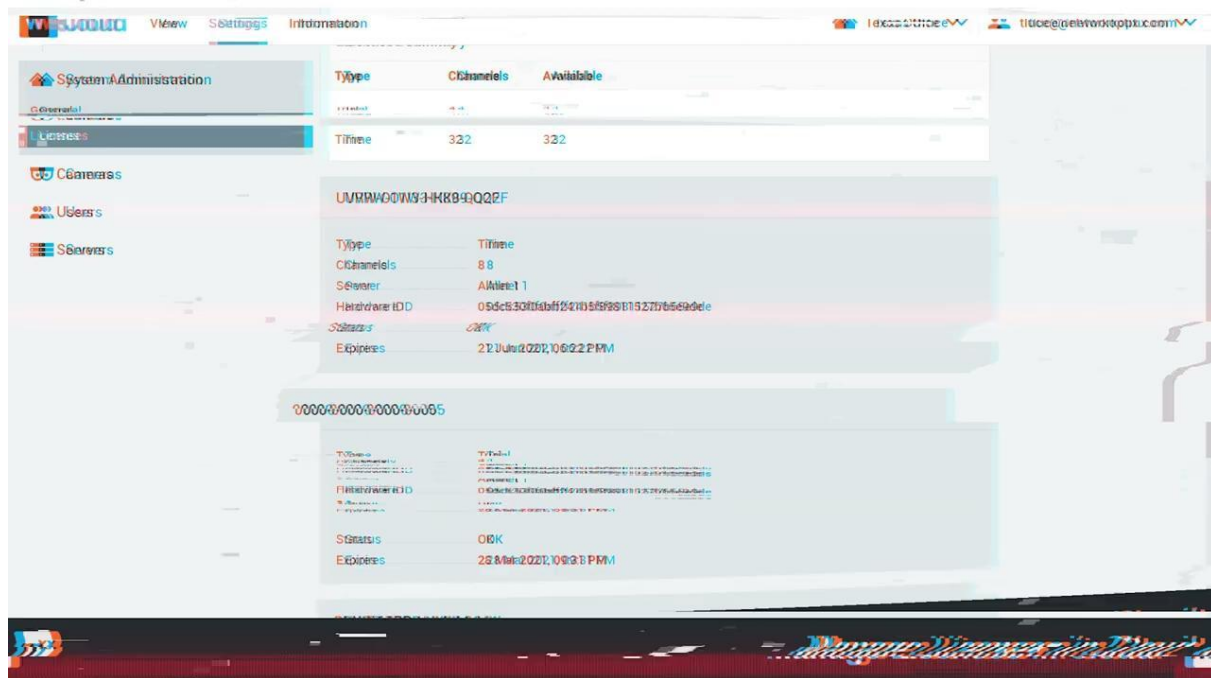
The screenshot displays the Nx Witness Cloud web interface. The top navigation bar includes 'w Cloud', 'View', 'Settings' (active), and 'Information'. The user is logged in as 'tluce@networkoptix.com' from the 'Texas Office'. The left sidebar shows a hierarchy: System Administration, Cameras, Users, and Servers. Under Servers, 'Allnet 1 - 192.168.68.113' is selected. The main panel shows the settings for 'Allnet 1', including IP Address (192.168.68.113), OS (linux_arm64), and Version (4.2.0.32658). There are 'Rename' and 'Restart' buttons. Below this is a 'Settings' section with a 'Port' field set to '7001'. A message states 'No unsaved changes'. At the bottom of the settings panel are links for 'About Nx Witness Cloud' and 'Download Nx Witness Supported Devices', and a copyright notice for '© 2021 Network Optix'. On the right, a 'Detailed Info' window is open, showing a search bar and a tree view of the system. The 'Garage' camera is selected, displaying a live video feed of a garage interior with a motorcycle. The video player has a timeline at the bottom showing the current time as 1/15/2021 9:53 PM. The 'n^x' logo is in the bottom left corner of the interface.

Manage Server Settings in Cloud

MANAGE LICENSES IN CLOUD

Operators with appropriate rights can now manage Licenses in Nx Witness Cloud.

- View the licenses list
- Activate licenses



MANAGE LOCAL USERS IN CLOUD

Operators with appropriate rights can now manage Local Users in Nx Witness Cloud.

- Authentication
- Name
- Role

The screenshot displays the Nx Witness Cloud web interface. At the top, there's a navigation bar with 'w Cloud', 'View', 'Settings', and 'Information' tabs. The 'Settings' tab is active. On the right, there's a user profile for 'tluce@networkoptix.com'. The main content area is titled 'System Administration' and includes sections for 'Cameras', 'Users', and 'Servers'. The 'Users' section is expanded, showing a list of users. An 'Add User' button is visible. A modal dialog box titled 'Add User' is open, featuring an 'Email' input field and an 'Access Level' dropdown menu. The dropdown menu is open, showing a list of roles: 'Viewer' (selected), 'Administrator', 'Advanced Viewer', 'Live Viewer', 'Axe Friend', and 'Custom'. The background interface shows a list of users under the 'Users' section, including 'admin - Owner' and several other administrators and viewers.

SECTION 03

v4.2 NOTABLE IMPROVEMENTS

NOTABLE IMPROVEMENTS IN v4.2

UPDATE PACKAGES VALIDATED

- Update packages are now validated before installation to prevent malware injection.

SECURE CONNECTIONS DEFAULT

- Secure Connections are now enabled by default.

CAMERA NAME AND TIME OVERLAY ON EXPORT

- Camera name and time of export can now be overlaid onto footage when exporting video from the Export Dialog.

CAMERA NAME ON SNAPSHOT

- Camera name can now be overlaid when capturing a screenshot from a camera view.

WINDOWS MEDIA PLAYER FRIENDLINESS

- Archived video encoded with H.264 codec and exported to MP4 or AVI format can be played back in Windows Media Player.

INCREASED PRE/POST RECORDING OPTIONS

- The maximum value for pre-recording and post-recording actions in camera recording events can now be set up to 600 seconds.
- The limitations for pre- and post-recording are changed in Camera Settings: 90s for pre-recording and 300s for post-recording.

AUDIO FROM ALL DEVICES ON A LAYOUT

- Added the ability to playback audio from all devices on the viewing grid / in a layout when using the Desktop Client.

EMBEDDED BROWSER NOW SAVES CREDENTIALS

- The embedded browser in the Desktop Client now saves users credentials between browser sessions.

VIDEO WALL LICENSE UPDATE - NO CONCURRENT USER LIMITATION

- Removed the limitation on Video Wall licenses that prevented more than one active direct control session at a time.