



User/Installation Manual

Nx Witness Download Tool

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Englisch

Connectrick



date	version	change
25-01-2021	1.0	first release

Content

Introduction	4
Install the Download Tool	5
Download files	5
Installation	7
Configure settings Download Tool	9
Basic Settings	9
Licenses	12
Download Images	14
Advanced settings	17
Download automatically	17
Download delay	17
Default download pad	17
Download fixed duration	18
Download new bookmarks	18
Extra Logging	19
About	20
Configure cameras NX Witness	21
Download images with a dynamic length	21
Download images with a fixed length	23
Specifications	25
Licensing	25
System Overview	25
Troubleshooting	26
No communication	26
License issues	26
Empty files	26
Application issues	26
Support	26

Introduction

NX witness is a 'Lean and Mean' video management system. It has already many features that can be increased by using the API build inside. This application can be used to download images that are on the NX Witness server to a specific folder.

The duration of the downloaded images can be dynamic or fixed. You have to set the camera rules in NX witness to create a bookmarks and record images. After that you can use this application to download the images. It is also possible to automate this process.

When you have any questions about this tool or need a similar solution please contact us. We will find a suitable solution.

info@connectrick.nl

or visit the website



www.connectrick.nl

Time to connect!

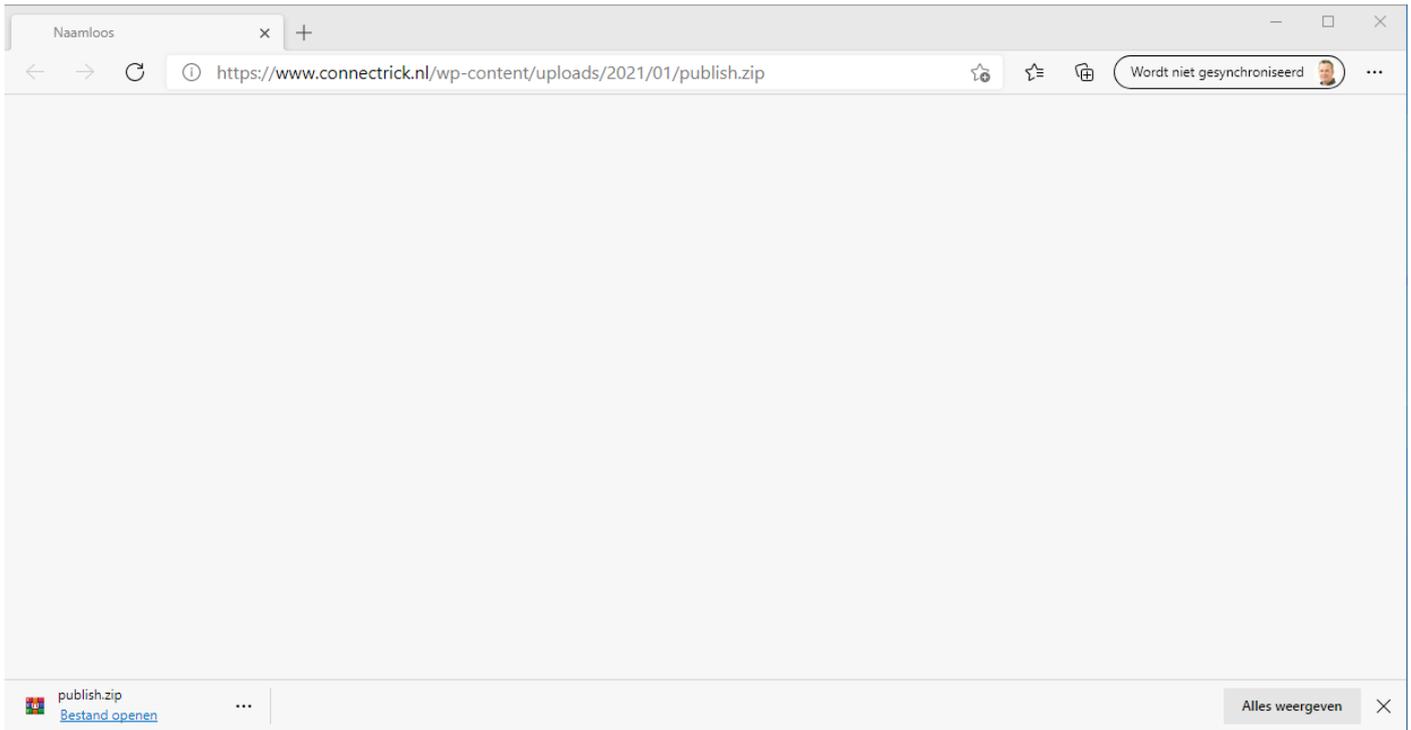
Install the Download Tool.

Download files

Download the tool on the website www.connectrick.nl/solutions or select this link:

[Nx Witness Download Tool v1.0.0.0](#)

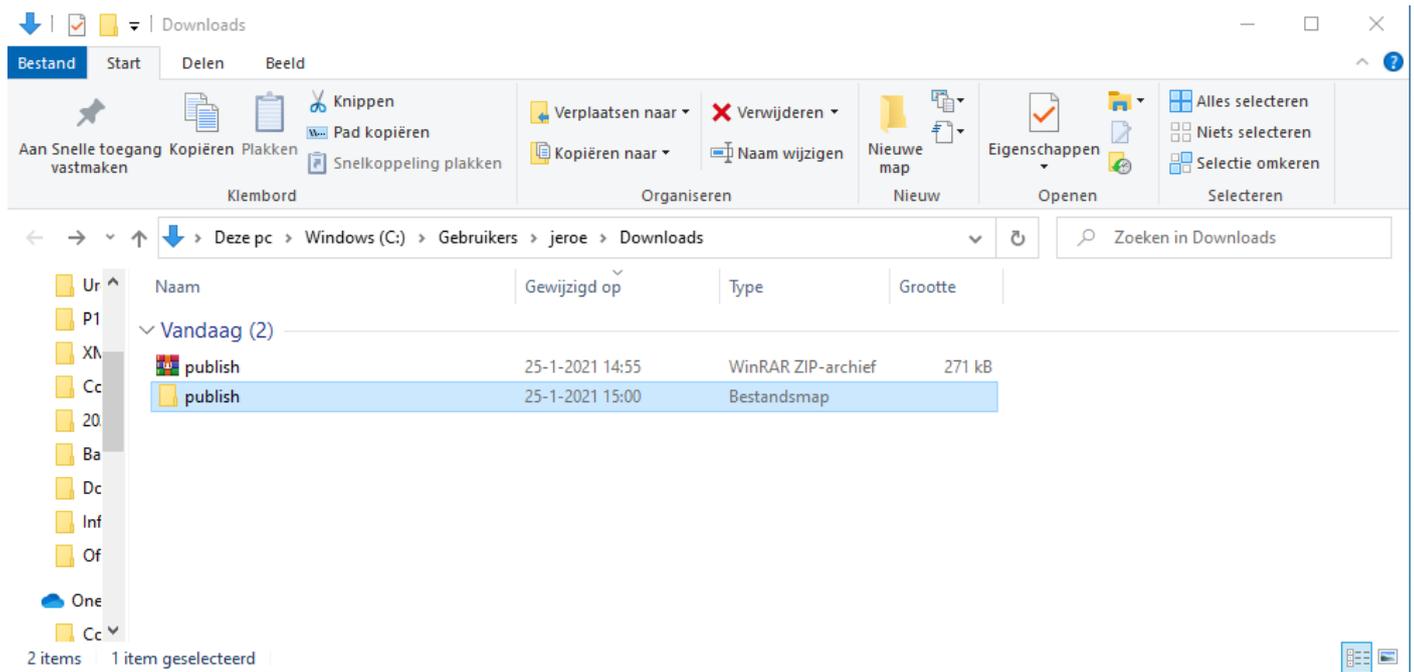
Download the 'publish.zip' file.



User manual

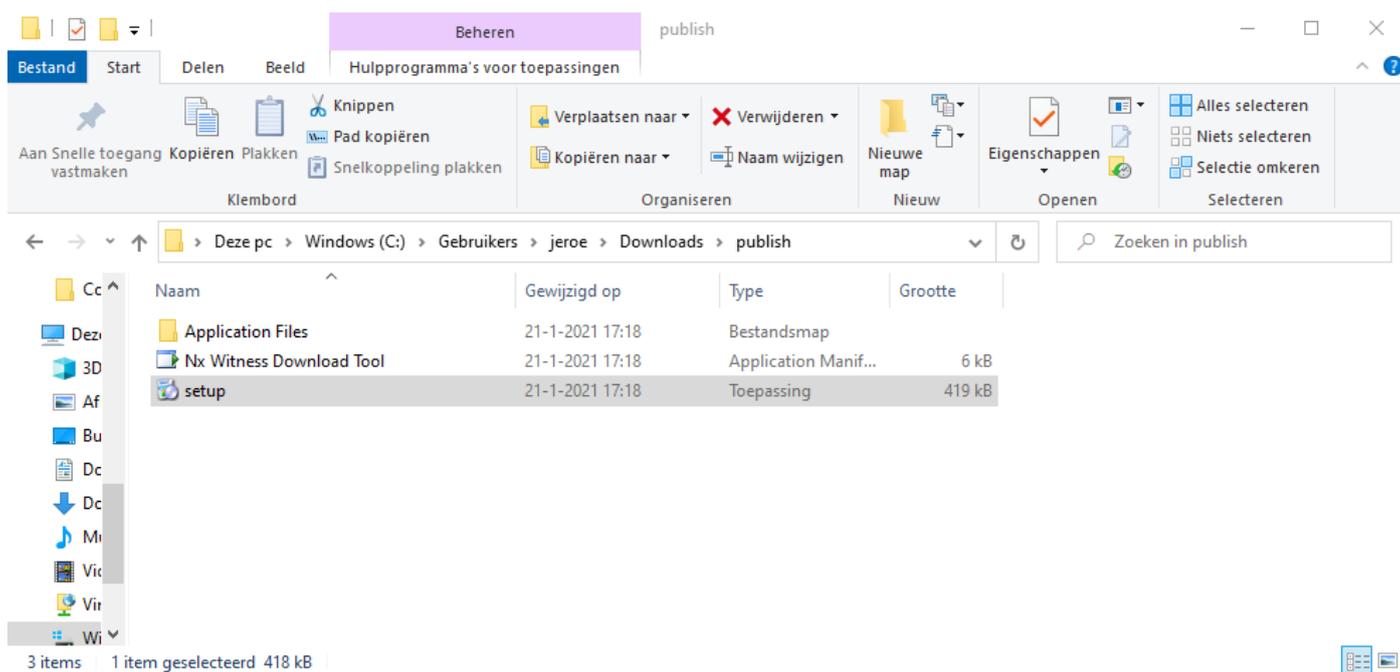


Unpack it on your system.

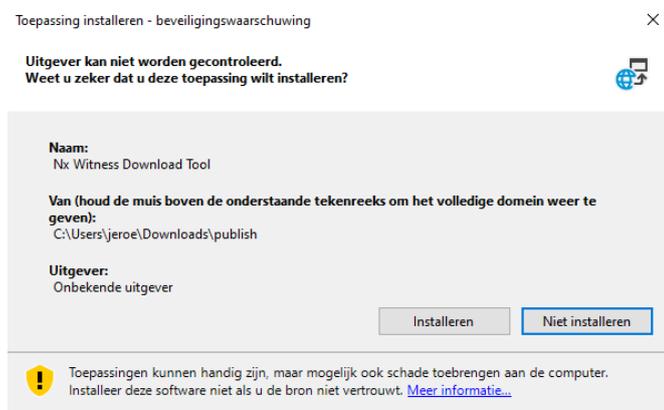


Installation

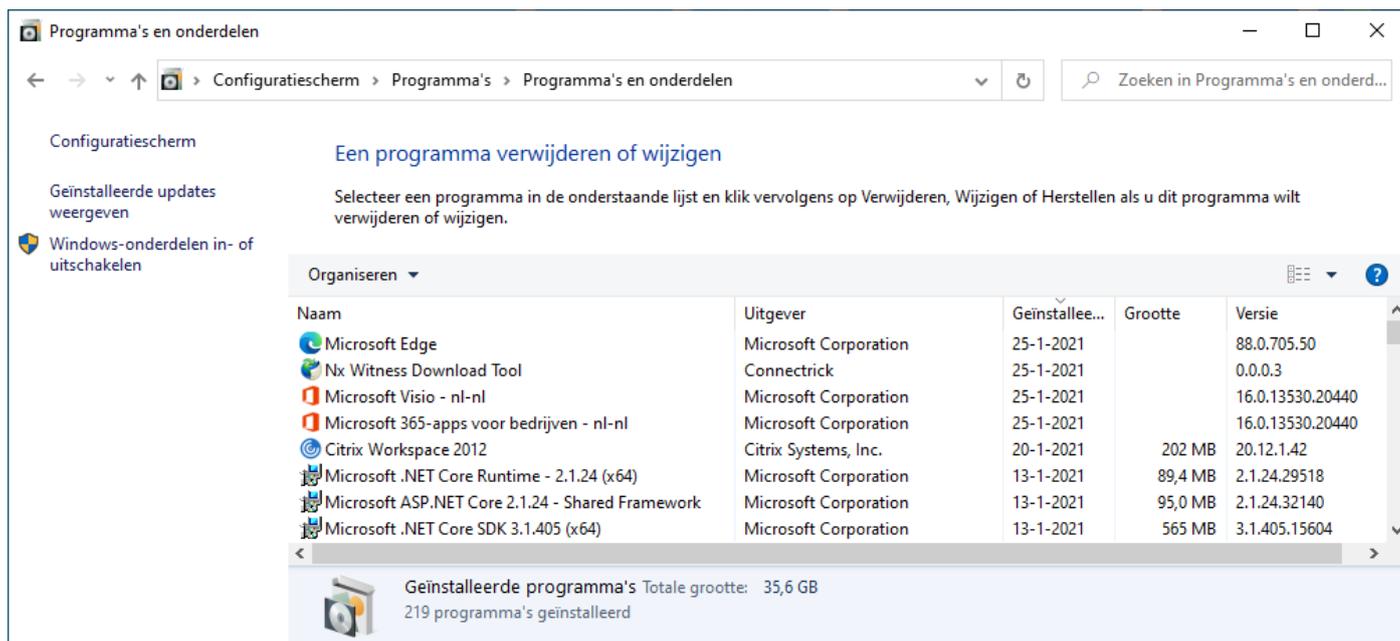
Look in the folder for the file setup.exe.



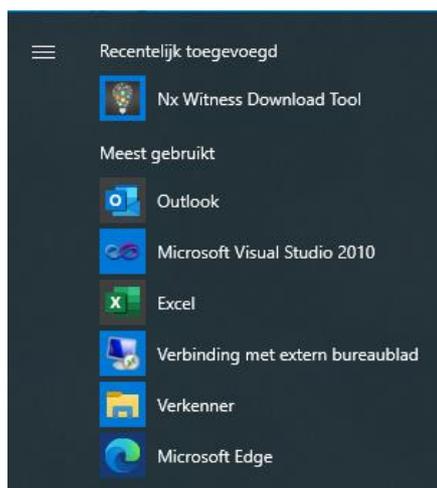
Follow the steps accordingly.



The application is installed.



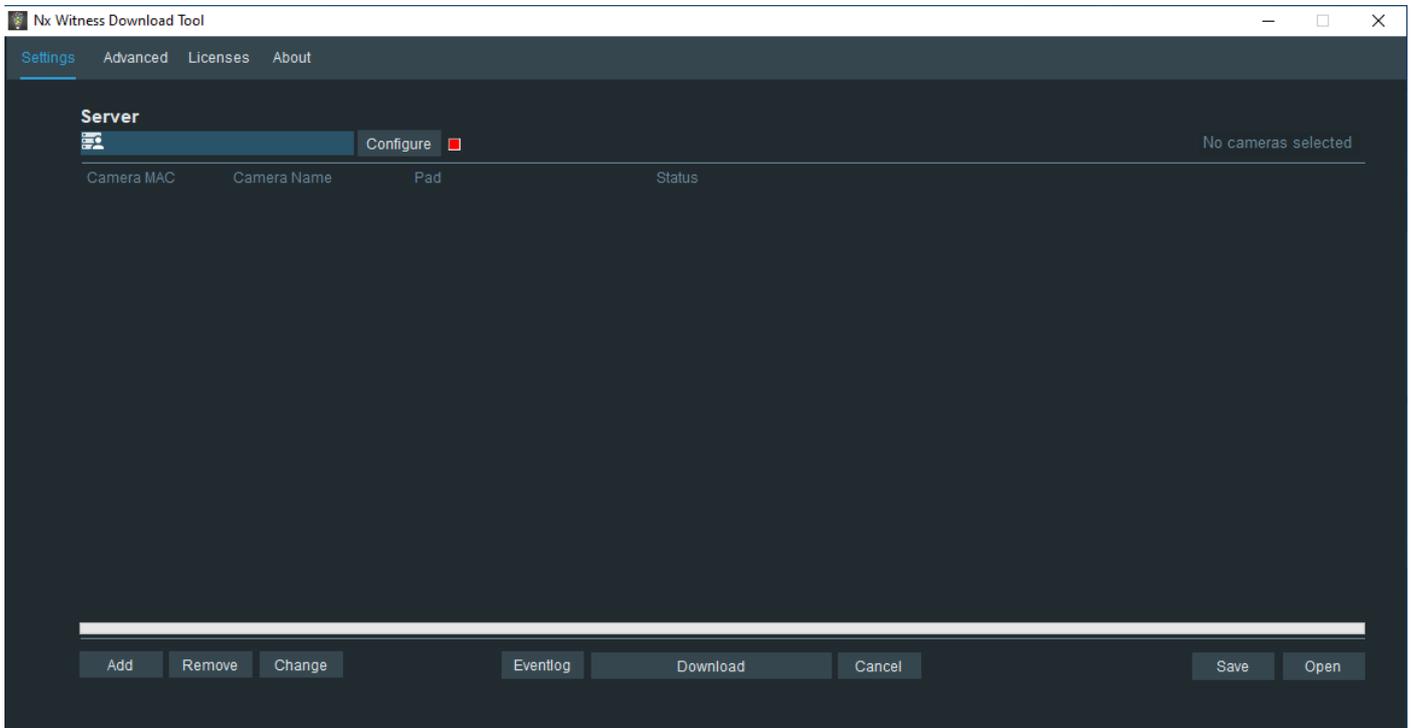
and available under Windows Start



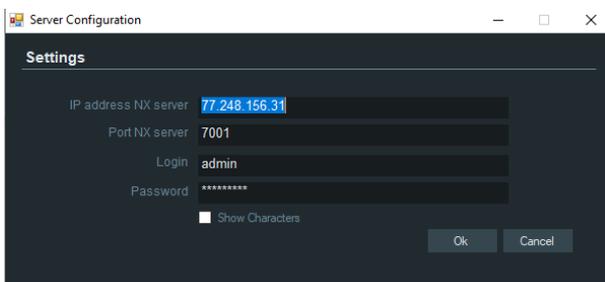
Configure settings Download Tool

Basic Settings

Start the application and configure  the connection with NX Witness.



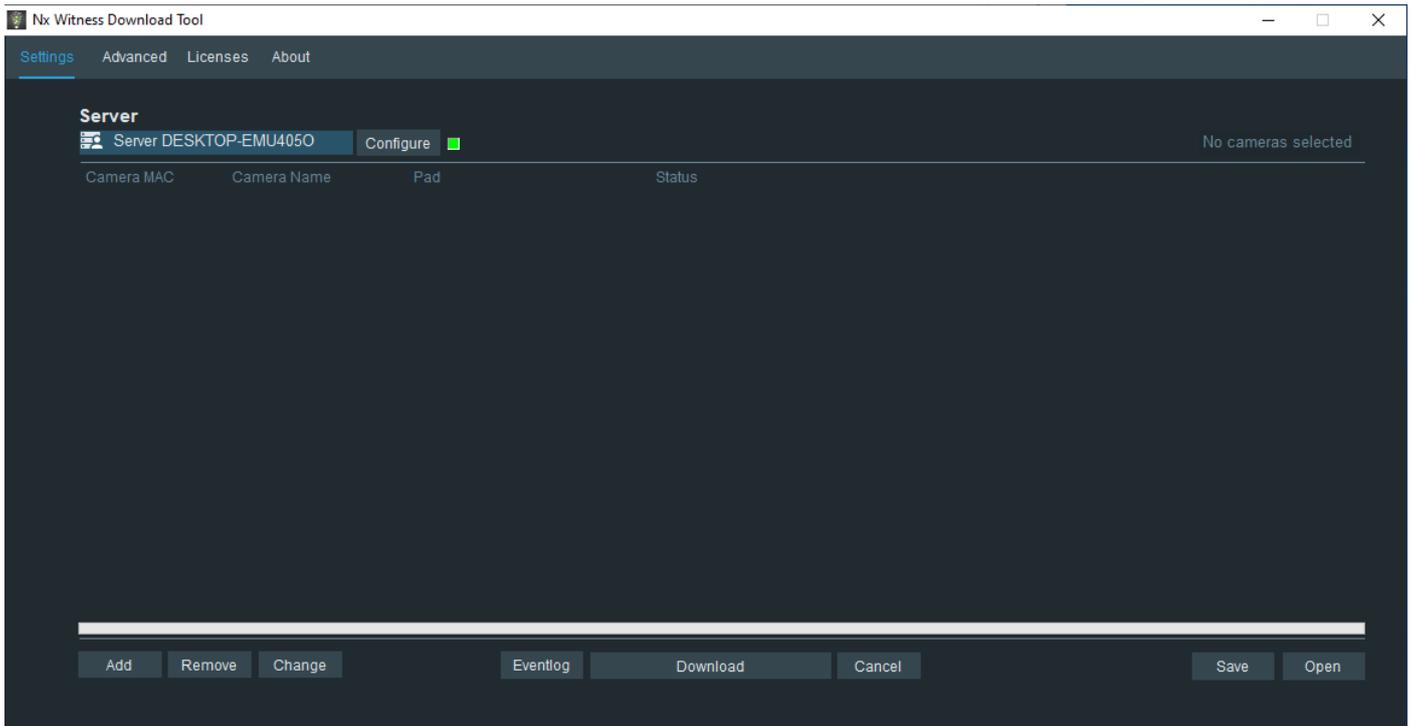
Fill in the IP address of the NX witness server, port, account name and password in 'Settings'.



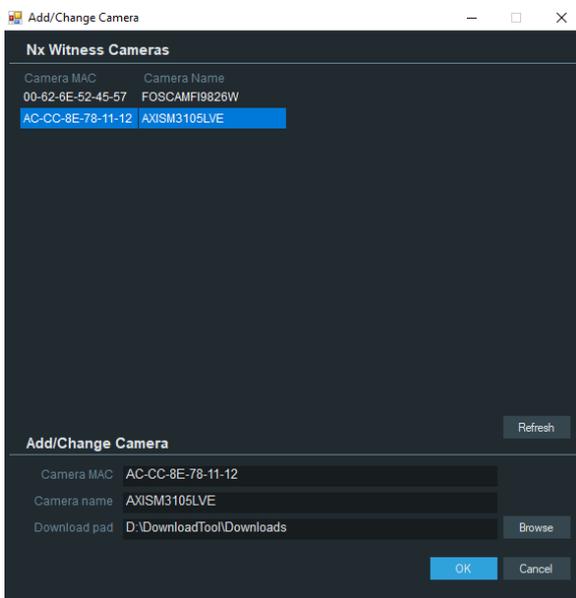
User manual



When the connection is successful the server name will be presented and the indicator will show green.



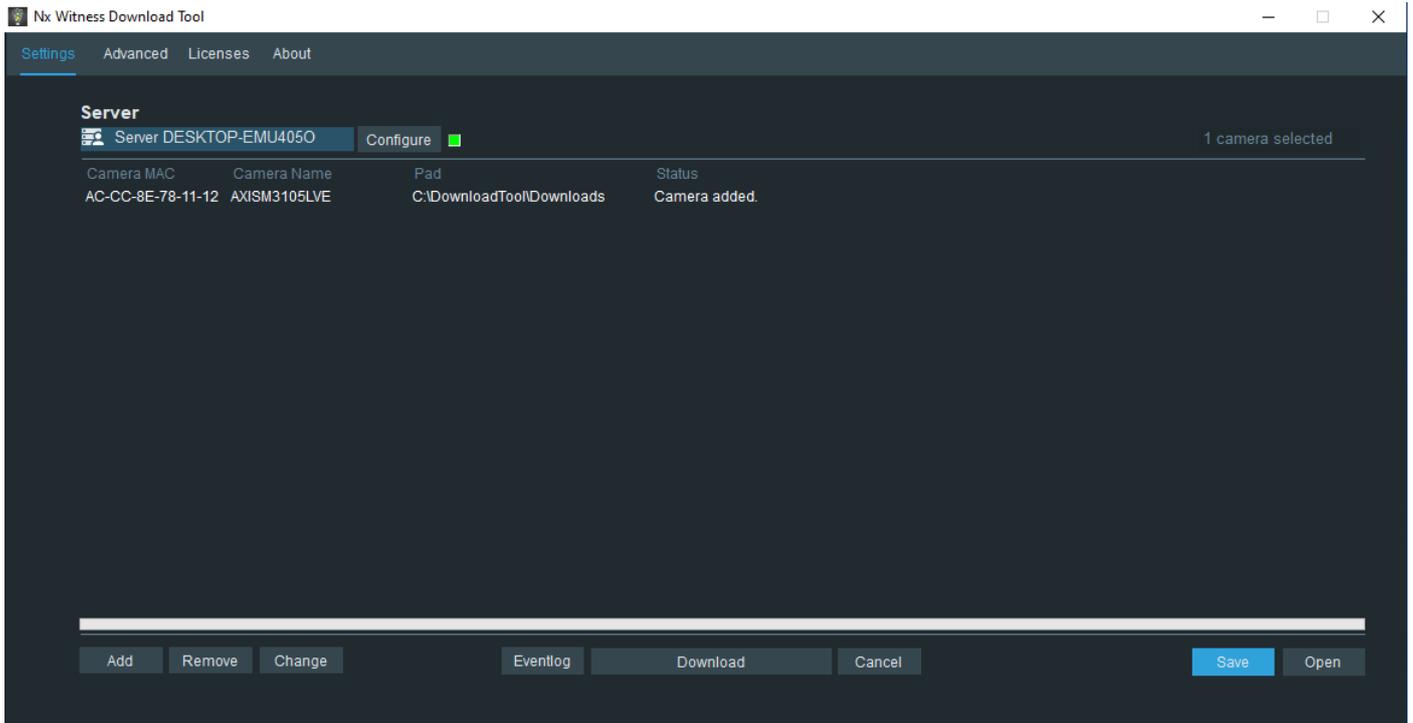
Add **Add** **Remove** **Change** the camera's you want to download images from. The available cameras in NX Witness will be showed. When you select a camera the data will be presented below. You are free to make changes in the Camera name or Download pad. When you click on OK **OK** the camera will be added. You can use the change button to change and the remove button to remove the data.



User manual

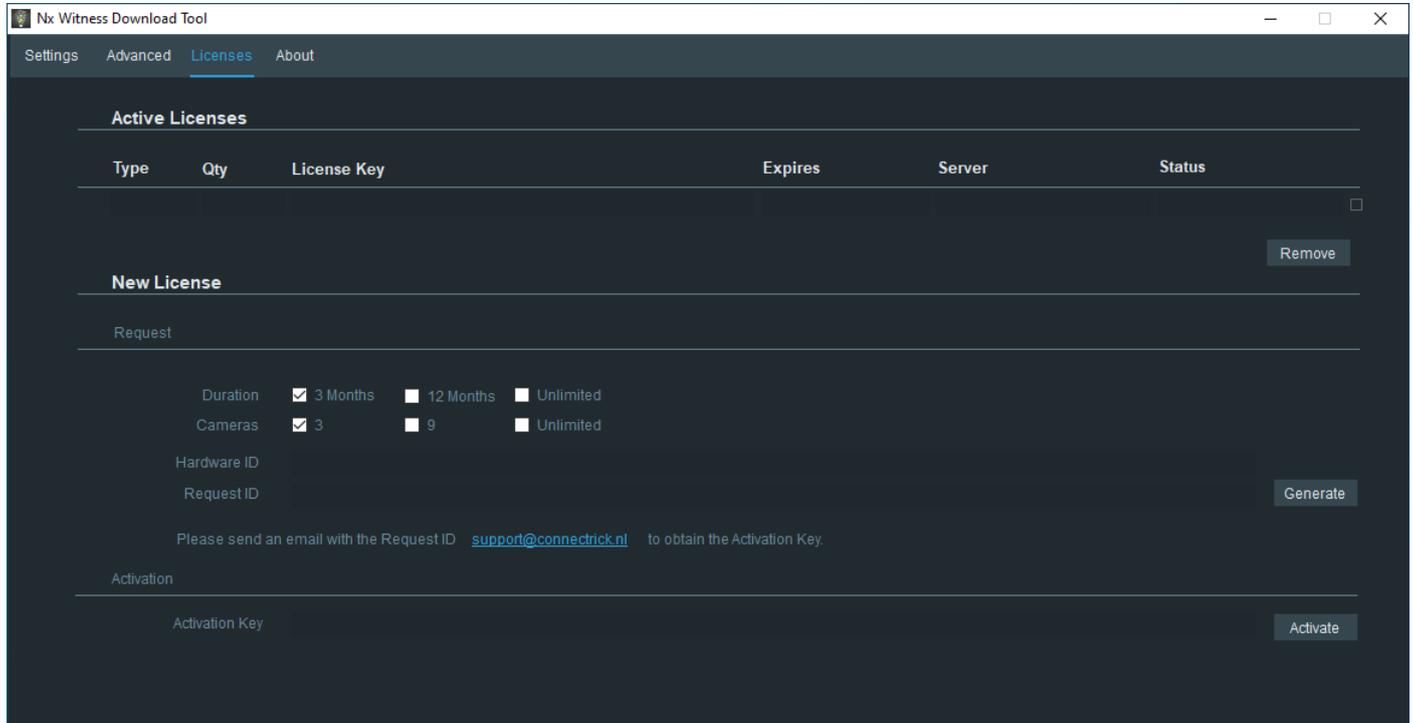


After that you click on Save  and the application is ready to download images.

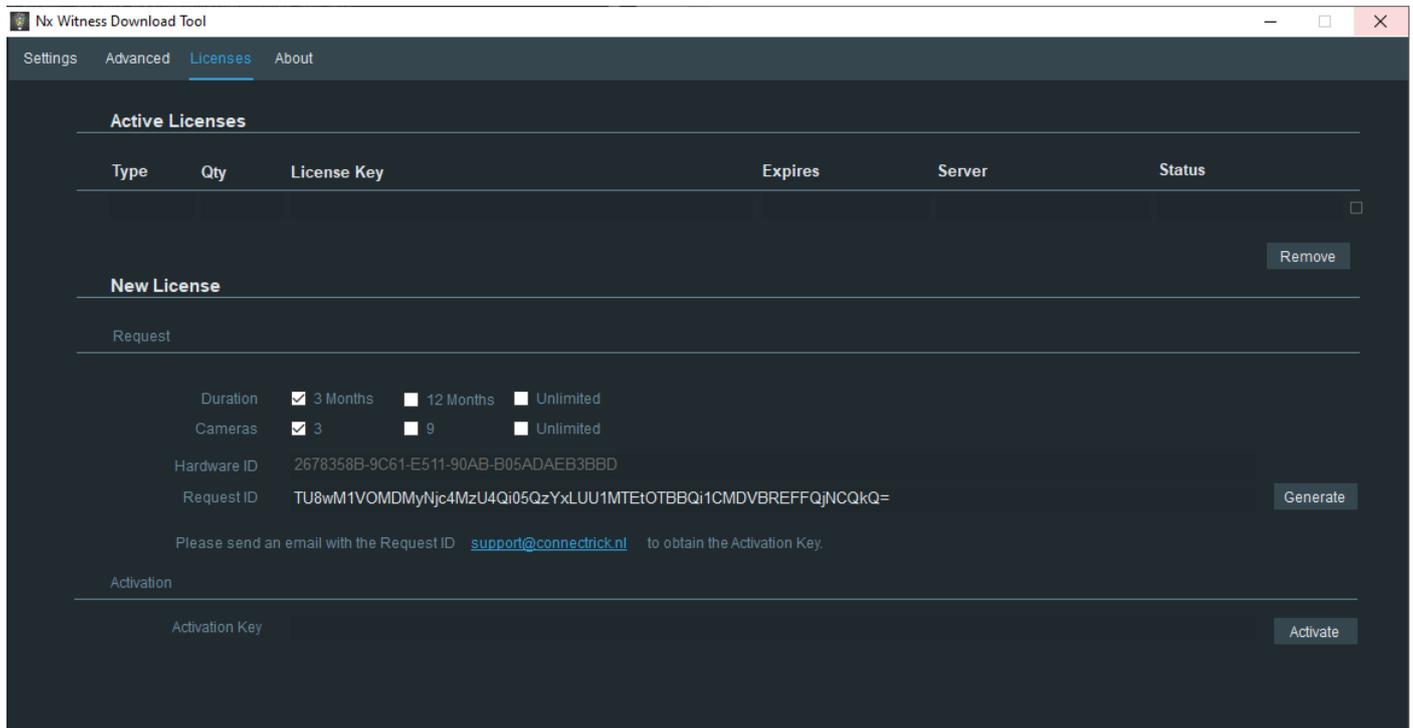


Licenses

You are only able to download images when you have an active license. Select Licenses ^{Licenses} in the main menu. When you don't have a 'Activation Key' select the desired key features. Click on Generate ^{Generate} in 'New License' to produce the 'Request ID'.



Email the 'Request ID' to support@connectrick.nl to order an 'Activation Key'. You can also do this by clicking on the link.



User manual



When you have received an 'Activation Key' please fill the code in and press **Activate**. The license will be activated and showed at 'Active Licenses'. All the license features and end date will be visible.

The screenshot shows the 'Licensess' tab of the Nx Witness Download Tool. It features a table of active licenses and a form for requesting a new license.

Type	Qty	License Key	Expires	Server	Status
3 Months	3 Cams	MTYxMTI0MzYzM01PMDMxNjEzODM1NjMzVU4wMzAxYTZINz'	20-2-2021 16:40:33	Nx Witness	License is activated. ■

New License

Request

Duration 3 Months 12 Months Unlimited
Cameras 3 9 Unlimited

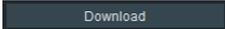
Hardware ID
Request ID **Generate**

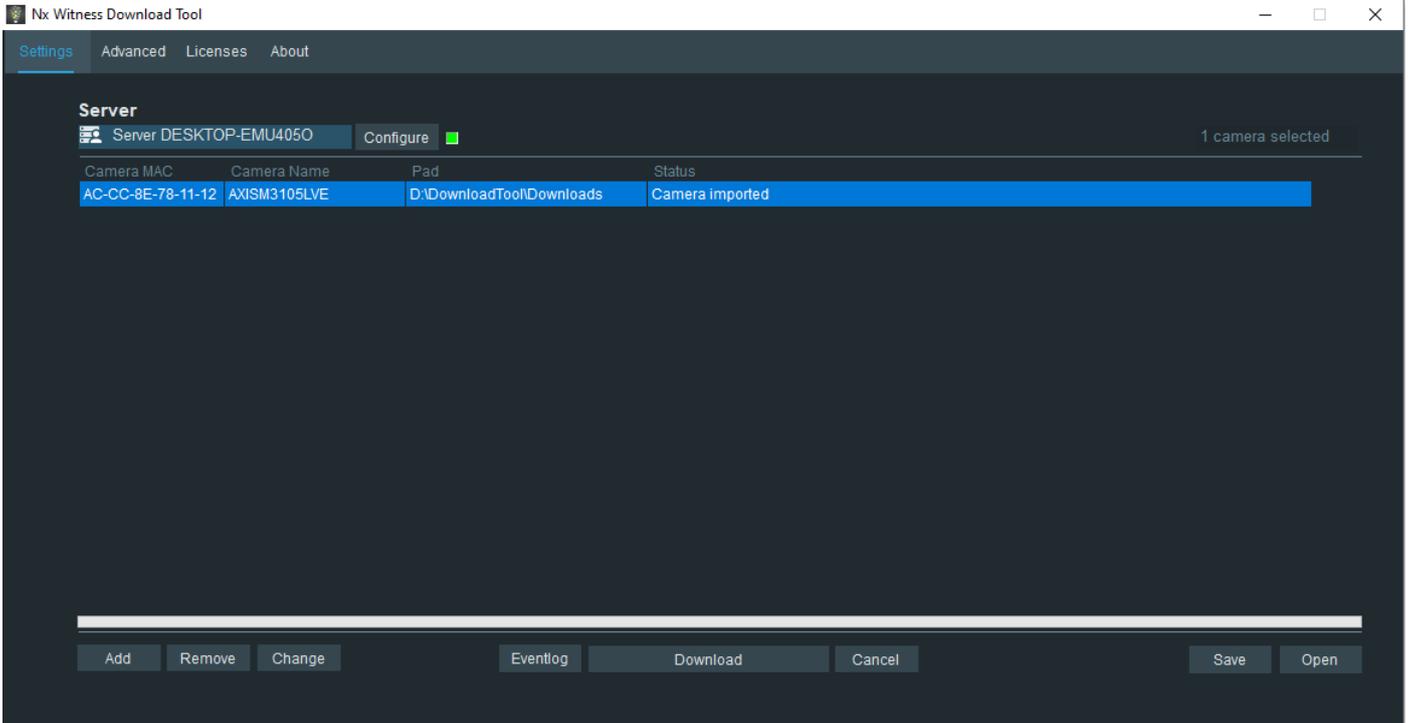
Please send an email with the Request ID support@connectrick.nl to obtain the Activation Key.

Activation

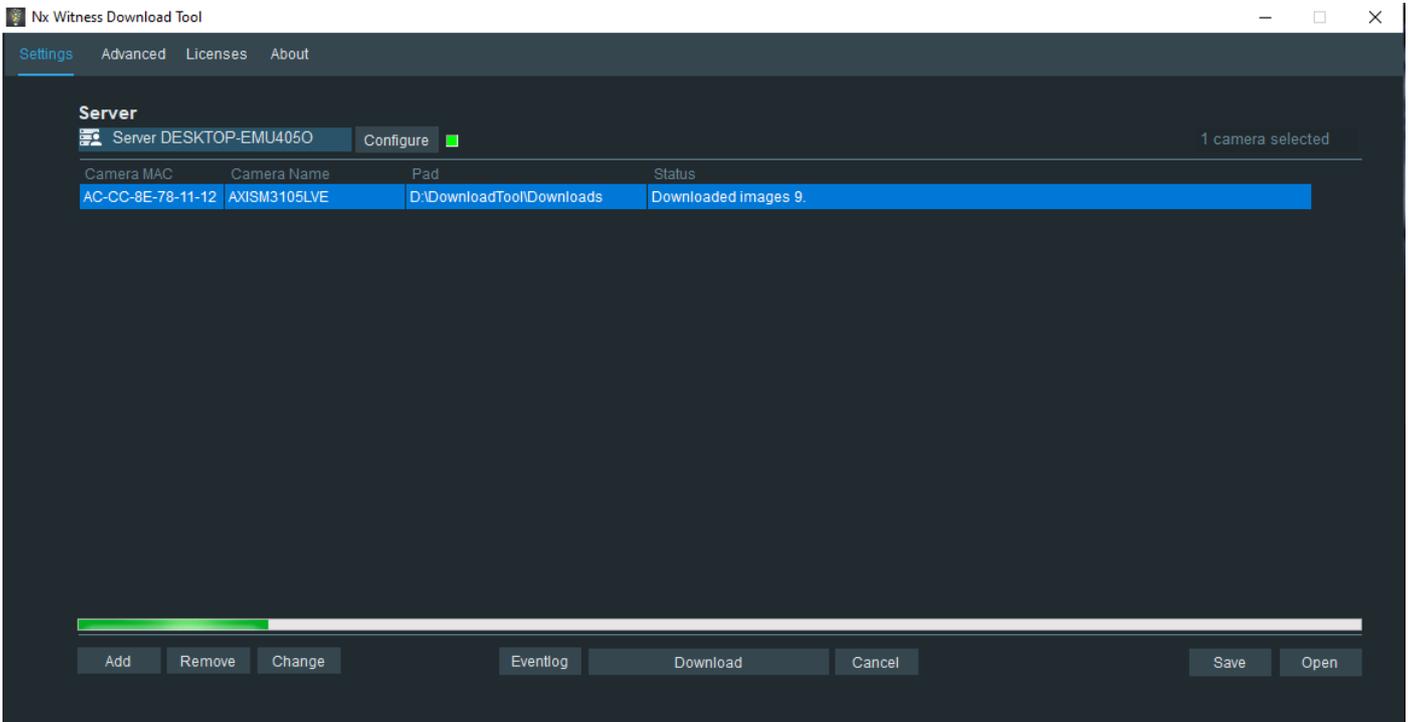
Activation Key `MTYxMTI0MzYzM01PMDMxNjEzODM1NjMzVU4wMzAxYTZINzYyMjdINWFjYzgyNjM5NjAzZTgyMjY2ZTA0` **Activate**

Download Images

When in the Download Tool all the pre settings are done and you have configured the camera settings in Nx Witness (see chapter) you are ready to download images. Press the download button  at the main screen.



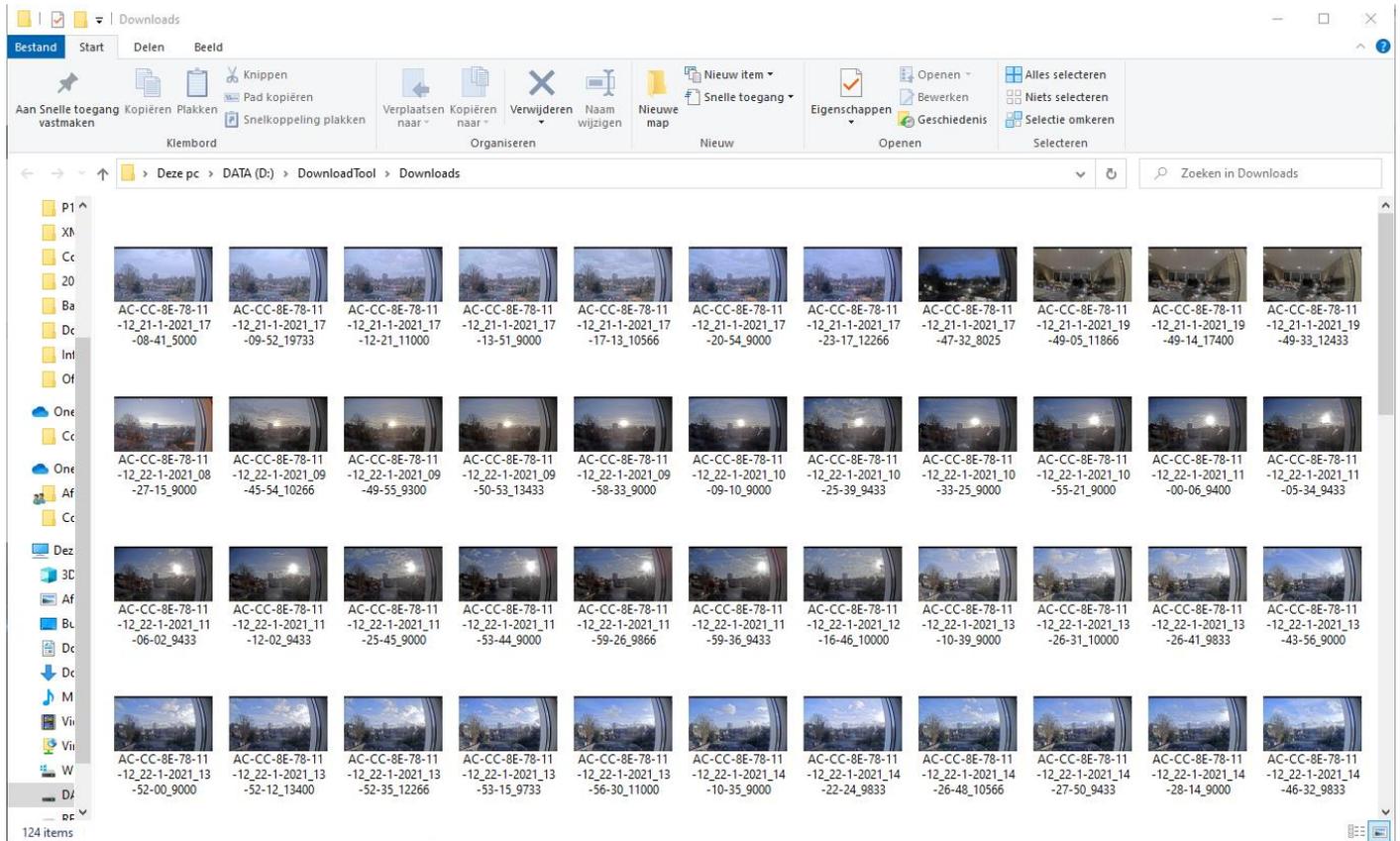
The download process will be started. You will have to wait until the process is done. The status of the download process is presented in the 'Status' column.



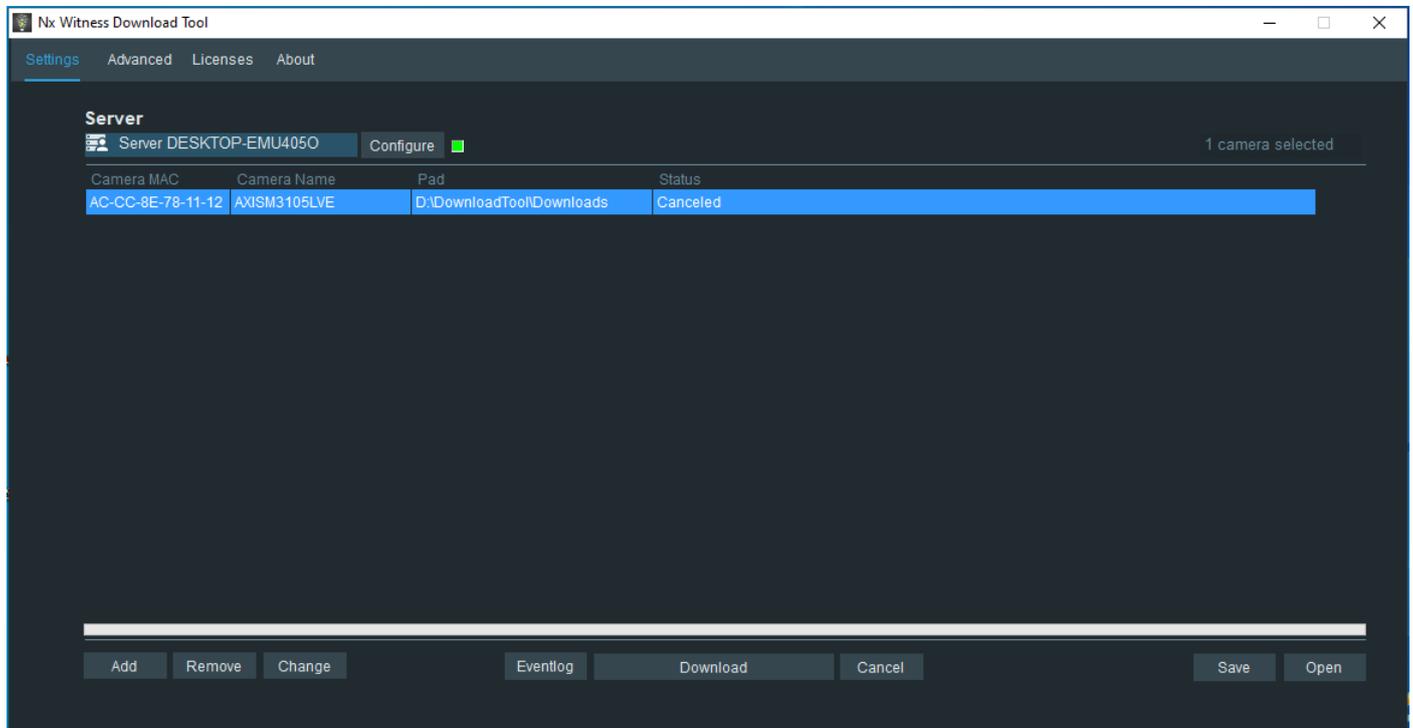
User manual



The images are downloaded to the designated folder.



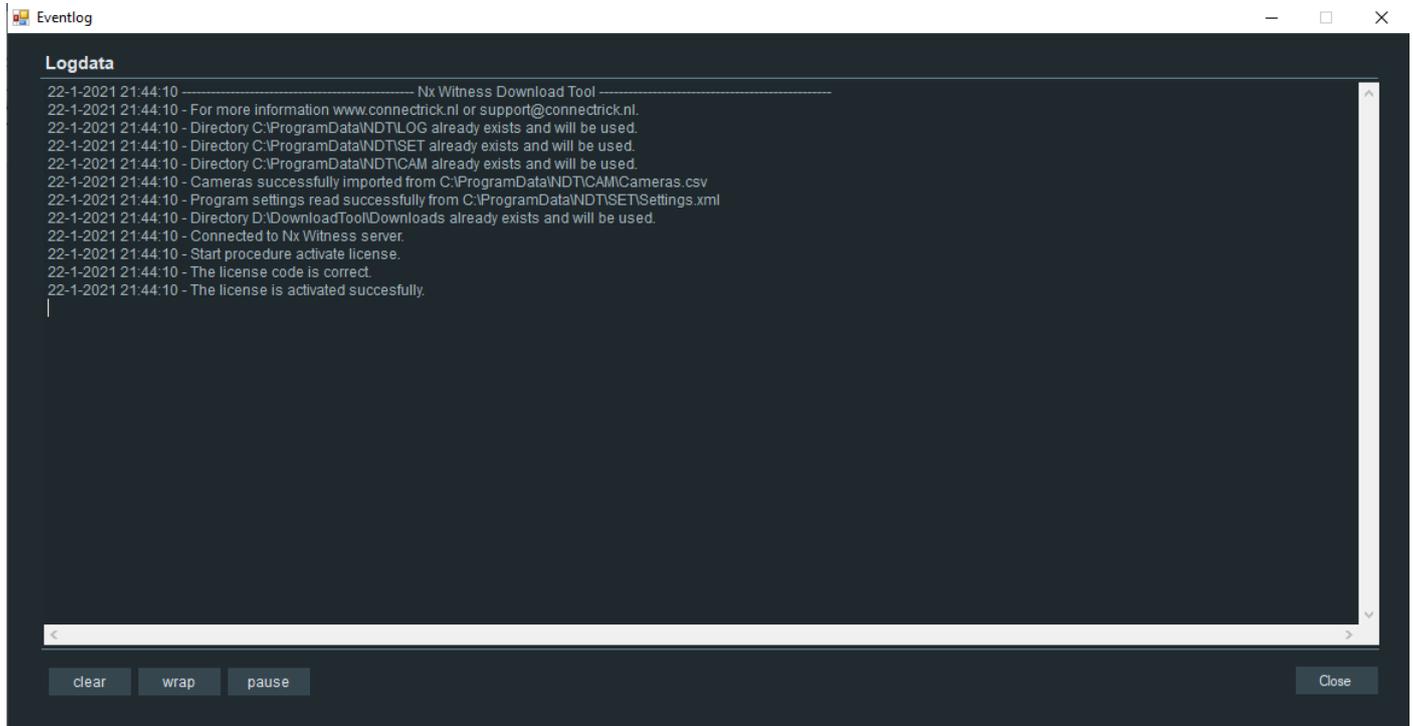
During the download process you can end the operation by pressing the **Cancel** button.



User manual



When you want more information about the downloads you can view this by pressing Eventlog . With the wrap  button you can view every event inside the window without scrolling. When u use the pause  button you can pause the logging to copy certain events.



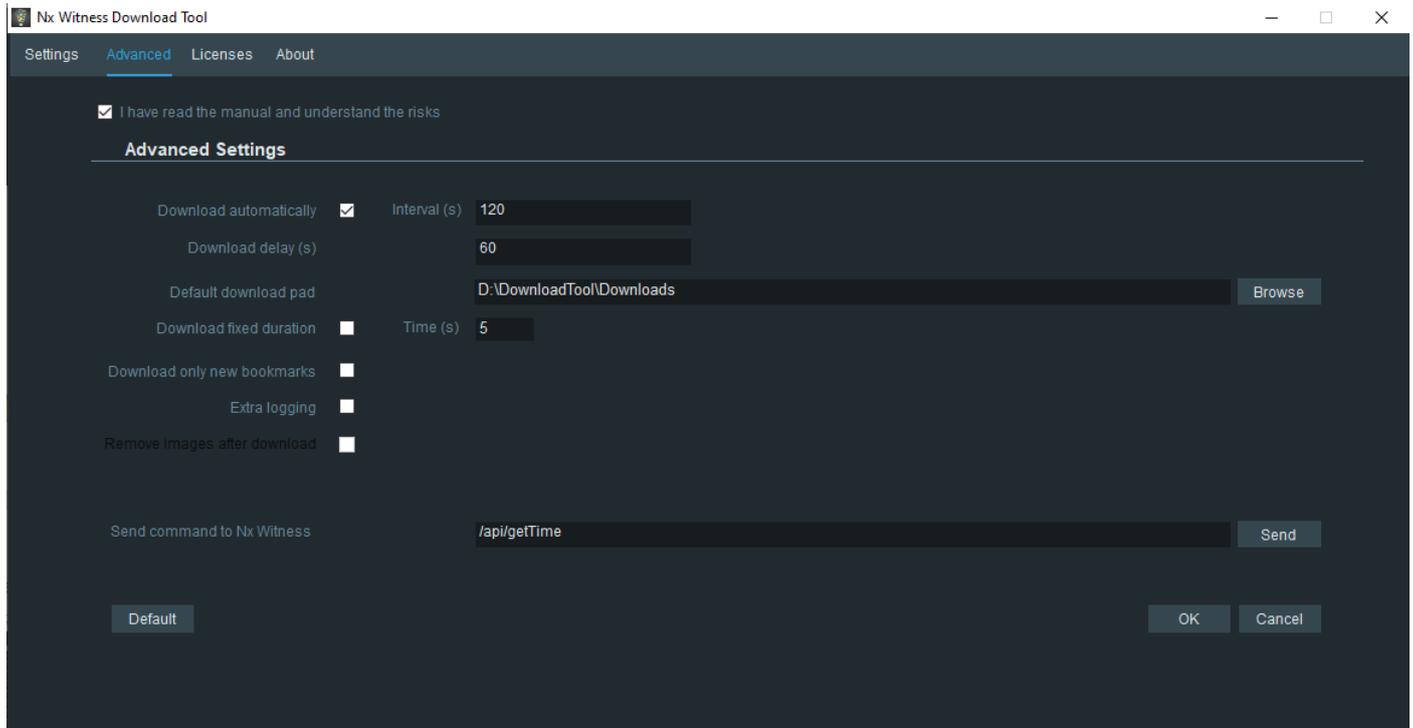
In NX Witness download information is added to the tag of the bookmark.

The screenshot shows a window titled "Bookmark Log - Nx Witness Client" with a table of download events. The table has the following columns: Name, Camera, Start time, Length, Created, Creator, and Tags.

Name	Camera	Start time	Length	Created	Creator	Tags
Motion on AXISM310SLVE (192.168.1.16)	AXISM310SLVE	21-1-2021 17:08:41	5 seconds	21-1-2021 17:08:58	System Event	Downloaded to D:\DownloadTool\Downloads\AC...
Motion on AXISM310SLVE (192.168.1.16)	AXISM310SLVE	21-1-2021 17:09:52	19 seconds	21-1-2021 17:10:10	System Event	Downloaded to D:\DownloadTool\Downloads\AC...
Motion on AXISM310SLVE (192.168.1.16)	AXISM310SLVE	21-1-2021 17:12:21	11 seconds	21-1-2021 17:12:30	System Event	Downloaded to D:\DownloadTool\Downloads\AC...
Motion on AXISM310SLVE (192.168.1.16)	AXISM310SLVE	21-1-2021 17:13:51	9 seconds	21-1-2021 17:13:58	System Event	Downloaded to D:\DownloadTool\Downloads\AC...
Motion on AXISM310SLVE (192.168.1.16)	AXISM310SLVE	21-1-2021 17:17:13	10 seconds	21-1-2021 17:17:21	System Event	Downloaded to D:\DownloadTool\Downloads\AC...
Motion on AXISM310SLVE (192.168.1.16)	AXISM310SLVE	21-1-2021 17:20:54	9 seconds	21-1-2021 17:21:01	System Event	Downloaded to D:\DownloadTool\Downloads\AC...
Motion on AXISM310SLVE (192.168.1.16)	AXISM310SLVE	21-1-2021 17:23:17	12 seconds	21-1-2021 17:23:27	System Event	Downloaded to D:\DownloadTool\Downloads\AC...
Motion on AXISM310SLVE (192.168.1.16)	AXISM310SLVE	21-1-2021 17:47:32	8 seconds	21-1-2021 17:47:52	System Event	Downloaded to D:\DownloadTool\Downloads\AC...
Motion on AXISM310SLVE (192.168.1.16)	AXISM310SLVE	21-1-2021 19:49:05	11 seconds	21-1-2021 19:49:14	System Event	Downloaded to D:\DownloadTool\Downloads\AC...
Motion on AXISM310SLVE (192.168.1.16)	AXISM310SLVE	21-1-2021 19:49:14	17 seconds	21-1-2021 19:49:29	System Event	Downloaded to D:\DownloadTool\Downloads\AC...
Motion on AXISM310SLVE (192.168.1.16)	AXISM310SLVE	21-1-2021 19:49:33	12 seconds	21-1-2021 19:49:43	System Event	Downloaded to D:\DownloadTool\Downloads\AC...
Motion on AXISM310SLVE (192.168.1.16)	AXISM310SLVE	22-1-2021 08:27:15	9 seconds	22-1-2021 08:27:22	System Event	Downloaded to D:\DownloadTool\Downloads\AC...
Motion on AXISM310SLVE (192.168.1.16)	AXISM310SLVE	22-1-2021 09:45:54	10 seconds	22-1-2021 09:46:03	System Event	Downloaded to D:\DownloadTool\Downloads\AC...
Motion on AXISM310SLVE (192.168.1.16)	AXISM310SLVE	22-1-2021 09:49:55	9 seconds	22-1-2021 09:50:02	System Event	Downloaded to D:\DownloadTool\Downloads\AC...
Motion on AXISM310SLVE (192.168.1.16)	AXISM310SLVE	22-1-2021 09:50:53	13 seconds	22-1-2021 09:51:04	System Event	Downloaded to D:\DownloadTool\Downloads\AC...
Motion on AXISM310SLVE (192.168.1.16)	AXISM310SLVE	22-1-2021 09:58:33	9 seconds	22-1-2021 09:58:40	System Event	Downloaded to D:\DownloadTool\Downloads\AC...
Motion on AXISM310SLVE (192.168.1.16)	AXISM310SLVE	22-1-2021 10:09:10	9 seconds	22-1-2021 10:09:17	System Event	Downloaded to D:\DownloadTool\Downloads\AC...
Motion on AXISM310SLVE (192.168.1.16)	AXISM310SLVE	22-1-2021 10:25:39	9 seconds	22-1-2021 10:25:46	System Event	Downloaded to D:\DownloadTool\Downloads\AC...

Advanced settings

When you want to change more settings you can select **Advanced** in the main menu. Make sure you read the manual when you want to change specific settings and select the option **I have read the manual and understand the risks**. The Advanced tab will be enabled now.



Download automatically



When you want to automate the download process you can select the option Download automatically. Set the required interval (default is this 300 seconds). Don't make the time too short or else the application is downloading constantly.

Download delay



This is the time the application waits before it downloads images (default is this 120 seconds). The bookmarks can be available but NX Witness is still processing the images. The images will be downloaded then in the next download sequence. Don't make the time too short or else the file downloaded will be empty.

Default download pad



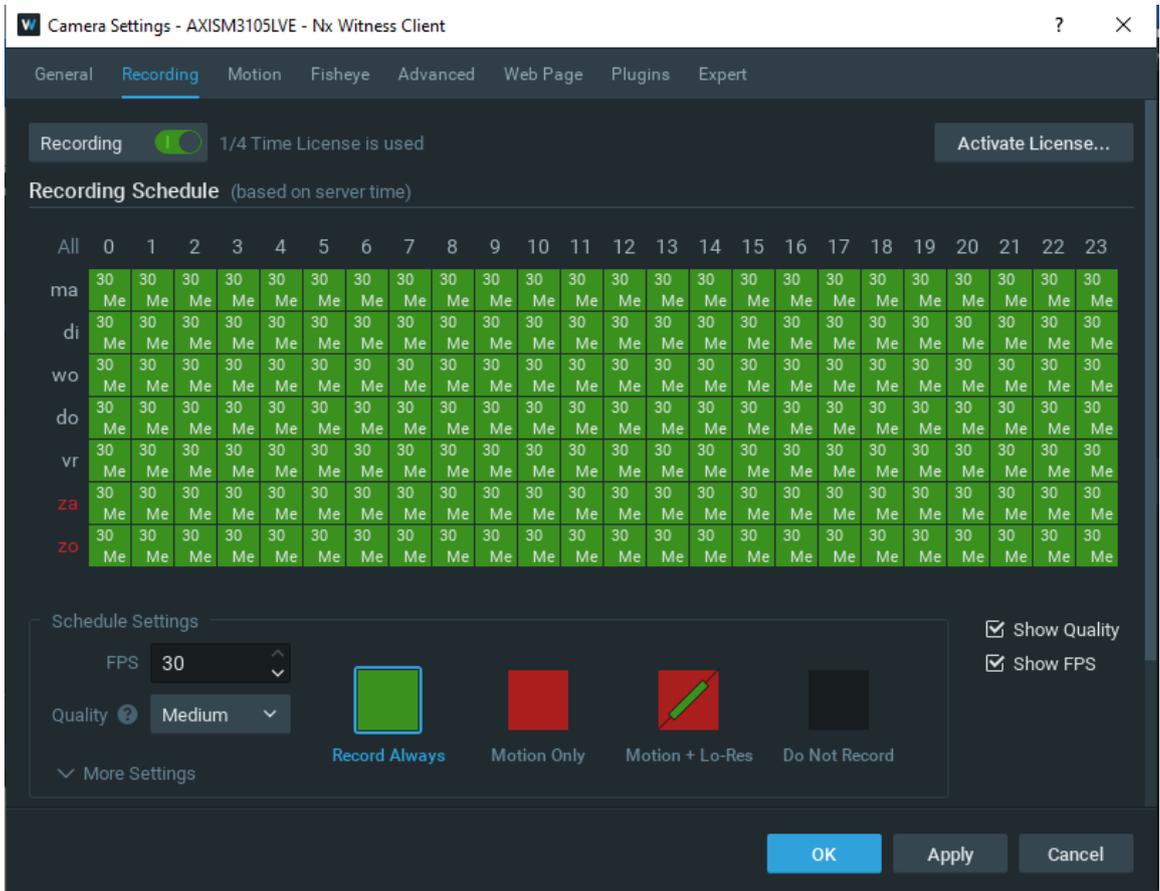
Here you can set the default download pad that will be shown in Add/Change Camera (default is this set to C:/DownloadTool/Downloads).



Download fixed duration

Download fixed duration Time (s) 5

The duration of downloaded images is default dynamic. When a bookmark is 7 seconds, 7 seconds of images will be downloaded. With the option fixed duration you can set this to a fixed time (default is this 60 seconds). When you set the time for example to 60 seconds a bookmark of 35 seconds will become a 60 seconds download. Make sure that you set the appropriate recording length in NX Witness so there are images are available. You can also set the Recording Schedule in Camera Settings to Record Always to solve this.



WARNING when the time and duration of the bookmark not correspond with the recorded images the file is downloaded but is empty.

Download new bookmarks

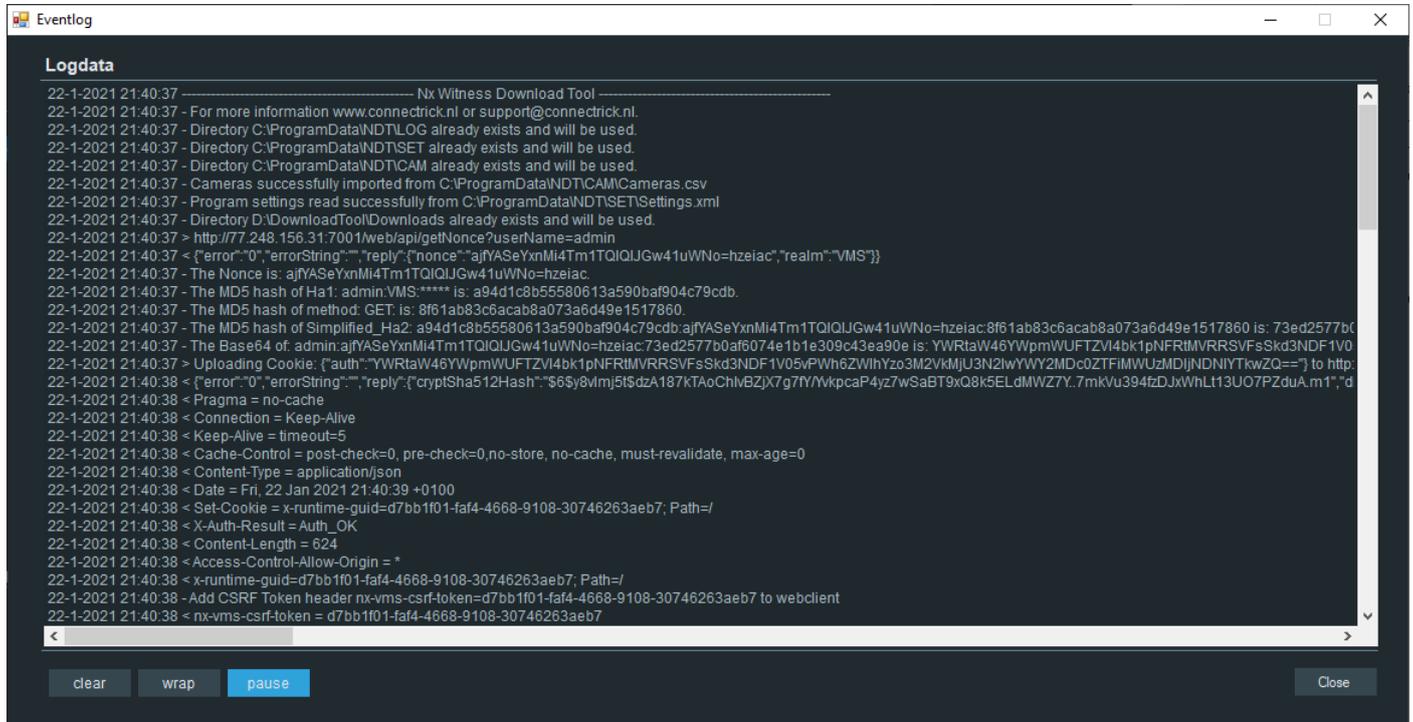
Download only new bookmarks

When images are downloaded this can take a while. We advise to download only new bookmarks. This way the download time remains minimal.

Extra Logging

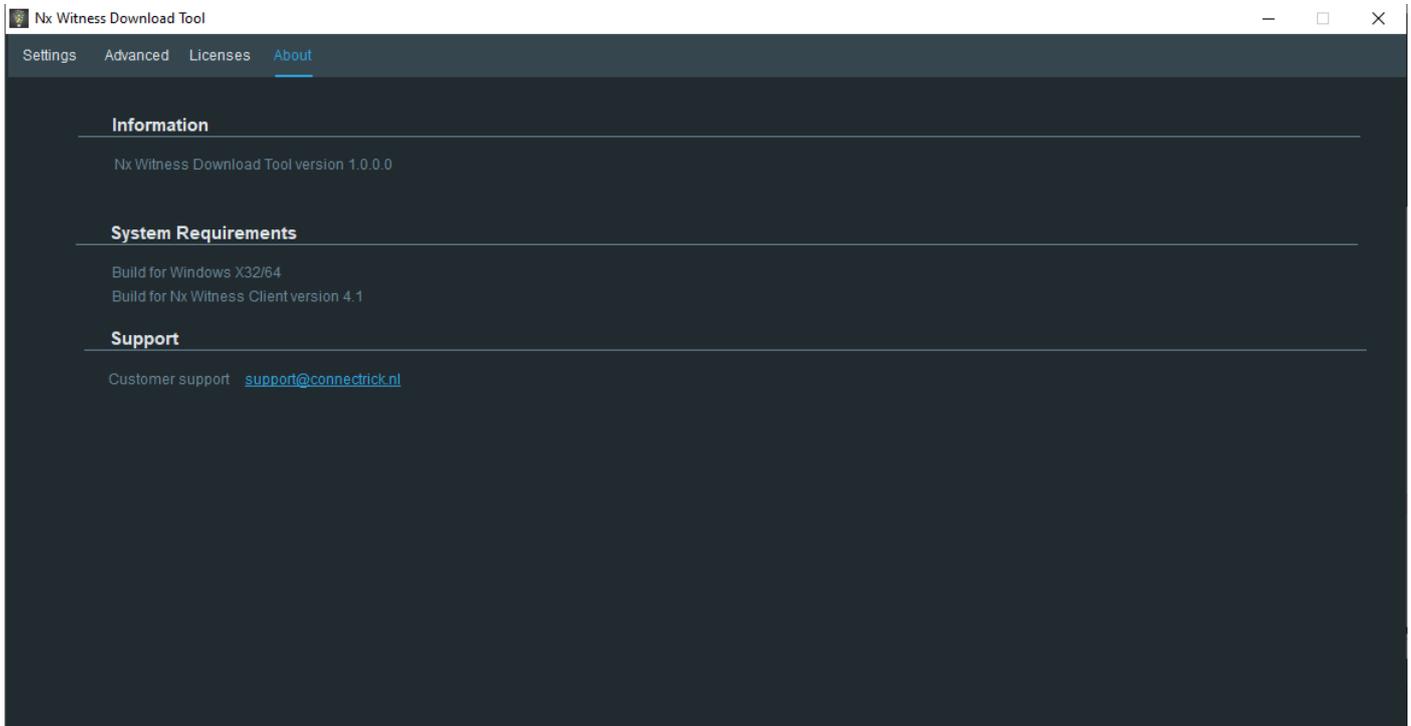
Extra logging

When you need more detailed information in the Eventlog you can set this option. Be aware that the size of the log files who are saved in C:\ProgramData\NDT will increase significantly.



About

When you select About **About** in the main menu you can see extra information about the application. Be aware that this application is suited for the described 'System Requirements'. When your system does not meet the requirements a different version is possibly needed and maybe another license.



Configure cameras NX Witness

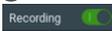
The Download Tool looks for bookmarks and after that downloads the corresponding images. Before this is possible some specific settings have to be done in NX witness:

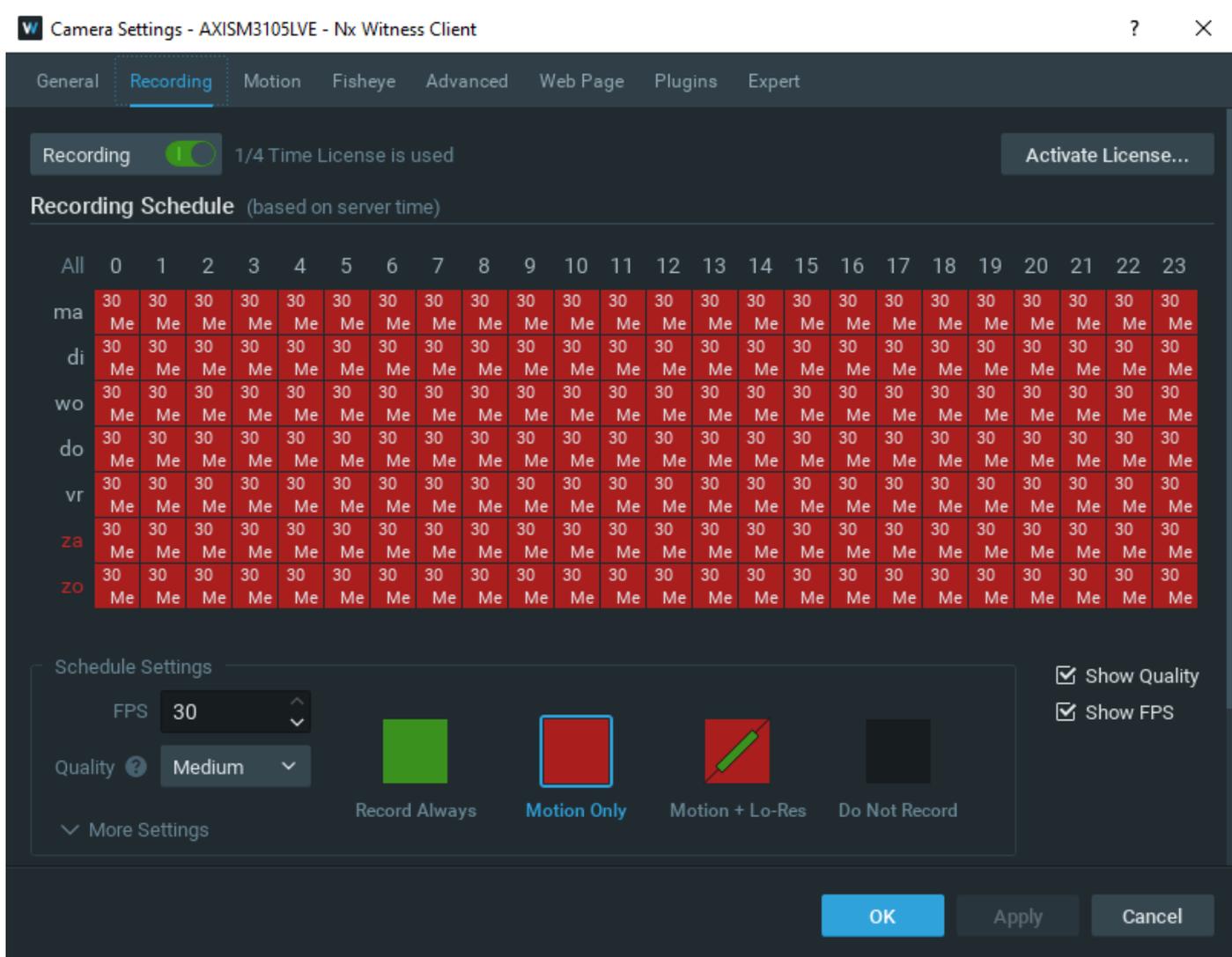
- You will have to enable recording for the cameras you want to download images from.
- You will have to create a camera rule to create bookmarks.
- You will have to create a camera rule to record images.

There are 2 options:

- Dynamic duration (default) The duration of the downloaded images is variable.
- Fixed duration The duration of the download images is fixed (for example 10 seconds).

Download images with a dynamic length

Go to the Camera Settings and switch recording on . The 'Recording Schedule' may be set to Record Always / Motion Only / Motion + LoRes / Do Not Record.



The screenshot shows the 'Recording' tab in the camera settings. The 'Recording' toggle is turned on. Below it, the 'Recording Schedule' is displayed as a 24x7 grid. The grid shows '30' (FPS) and 'Me' (Motion) for all days and hours. Below the grid, the 'Schedule Settings' are visible, including FPS set to 30, Quality set to Medium, and the 'Motion Only' recording mode selected. There are also checkboxes for 'Show Quality' and 'Show FPS', and buttons for 'OK', 'Apply', and 'Cancel'.

All	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
ma	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
di	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
wo	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
do	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
vr	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
za	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
zo	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30

User manual



Set the rules for each camera. Create a Bookmark on a Motion, Input Trigger or Generic Event.

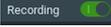
The screenshot shows the 'Event Rules - Nx Witness Client' window. At the top, there is a search bar with the ID 'e2485049-f17b-d856-3e5b-30c1e9c9fed9' and buttons for '+ Add', '- Delete', and 'Event Log...'. Below this is a table with columns: #, On, Event, Source, Action, Target, and Interval of Action. One rule is listed: #1, On: checked, Event: Motion on Camera, Source: AXISM3105LVE, Action: Bookmark, Target: AXISM3105LVE, Interval of Action: N/A. The main area is split into 'Event' and 'Action' sections. The 'Event' section has 'When' set to 'Motion on Camera' and 'At' set to 'AXISM3105LVE'. The 'Action' section has 'Do' set to 'Bookmark' and 'at' set to 'AXISM3105LVE'. It also includes settings for 'Fixed duration' (10 seconds), 'Pre-recording' (2 seconds), and 'Post-recording' (2 seconds). At the bottom, there are buttons for 'Restore All Rules to Default', 'OK', 'Apply', and 'Cancel'.

After that add a similar rule to the camera to set recording.

The screenshot shows the 'Event Rules - Nx Witness Client' window with two rules. The first rule is 'While Motion on Camera' with Action 'Bookmark'. The second rule is selected: 'Motion on Camera' with Action 'Camera recording'. The 'Event' section is the same as in the previous screenshot. The 'Action' section has 'Do' set to 'Camera recording' and 'at' set to 'AXISM3105LVE'. It includes settings for 'Interval of action' (Instant), 'Quality' (Best), 'Pre-Recording' (2s), 'Post-Recording' (2s), and 'Fixed duration' (10 sec). At the bottom, there are buttons for 'Restore All Rules to Default', 'OK', 'Apply', and 'Cancel'.

WARNING when the time and duration of the bookmark not correspond with the recorded images the file is downloaded but is empty.

Download images with a fixed length

Go to the camera settings and switch recording on . The 'Recording Schedule' may be set to Record Always / Motion Only / Motion + LoRes / Do Not Record.

Camera Settings - AXISM3105LVE - Nx Witness Client ? X

General **Recording** Motion Fisheye Advanced Web Page Plugins Expert

Recording  1/4 Time License is used Activate License...

Recording Schedule (based on server time)

All	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
ma	30 Me																							
di	30 Me																							
wo	30 Me																							
do	30 Me																							
vr	30 Me																							
za	30 Me																							
zo	30 Me																							

Schedule Settings

FPS **30**

Quality **Medium**

Show Quality Show FPS

Record Always
 Motion Only
 Motion + Lo-Res
 Do Not Record

OK Apply Cancel

User manual



Set the rules for each camera. Create a Bookmark on a Motion, Input Trigger or Generic Event. Select Fixed duration for example 10 seconds.

After that add a similar rule to the camera to set recording.

WARNING when the time and duration of the bookmark not correspond with the recorded images the file is downloaded but is empty.

Specifications

System requirements	
Operating system	Microsoft Windows 10, Server 2016 or Server 2019
Processor	Intel i3, AMD Ryzen or higher
Cores	Dual core (2) or more
Memory	8 GB or more
Disk 1 space (C)	5 GB for application, settings and logging
Disk 2 space (D)	10 GB or more for storage of the images

Build for	
VMS	Network Optix NX Witness version 4.1

Licensing

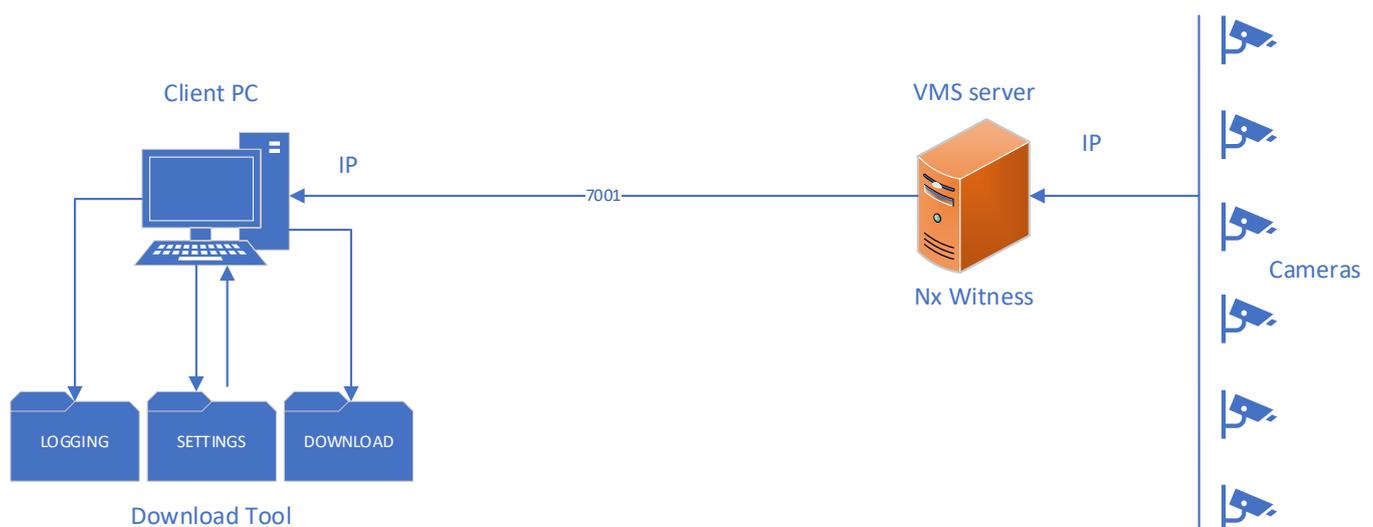
License name	Cameras	Duration	Support	Costs
Test	x	3 months	yes	€ -
Basic	3	unlimited	1 hour	€ 700,00
Advanced	9	unlimited	2 hours	€ 1.400,00
Unlimited	unlimited	unlimited	3 hours	€ 2.100,00

You can order a license by sending an email with 'Request ID' to support@connectrick.nl.

After that you will receive an offer and the directions for payment.

Without license you can use the application but you are not able to download images.

System Overview



Troubleshooting

We pay a lot of effort to make sure that our the application is functioning properly. When you experience problems we have some suggestions to move you in the wright direction.

No communication

- Make sure the NX Witness server is started and functioning properly.
- Check the connection settings IP address, port, account, password.
- Make sure the proper communication port (default 7001) is opened in the server, network or firewall.
- Select the option 'Extra Logging' in the 'Advanced' tab and then open the Eventlog to monitor.

License issues

- There are no active licenses or the license has expired. Select the options under 'New License' and generate a 'Request ID'. Send the 'Request ID' to support@connectrick.nl.

Empty files

- Make sure that the recording time overlaps the time of the bookmark.

Application issues

- The application does not close. System is busy downloading. Click the cancel button to end the process.
- Images are not downloaded instantly. There is a delay to let Nx Witness process the images. At the next download sequence the images the images will be downloaded.
- There are no bookmarks available to download. Please configure the cameras in Nx Witness (see chapter).

Of course it is also quite possible the application works without any problems.

Support

When you have any questions send an email to

support@connectrick.nl

or visit the website



www.connectrick.nl

Time to connect!