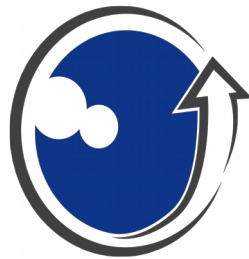




TrilliumBits AutoExporter



A plug- in for Milestone XProtect Management Client

User's Guide
Version 1.0
2018

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Overview

The XProtect VMS products are video management software developed by Milestone Systems.

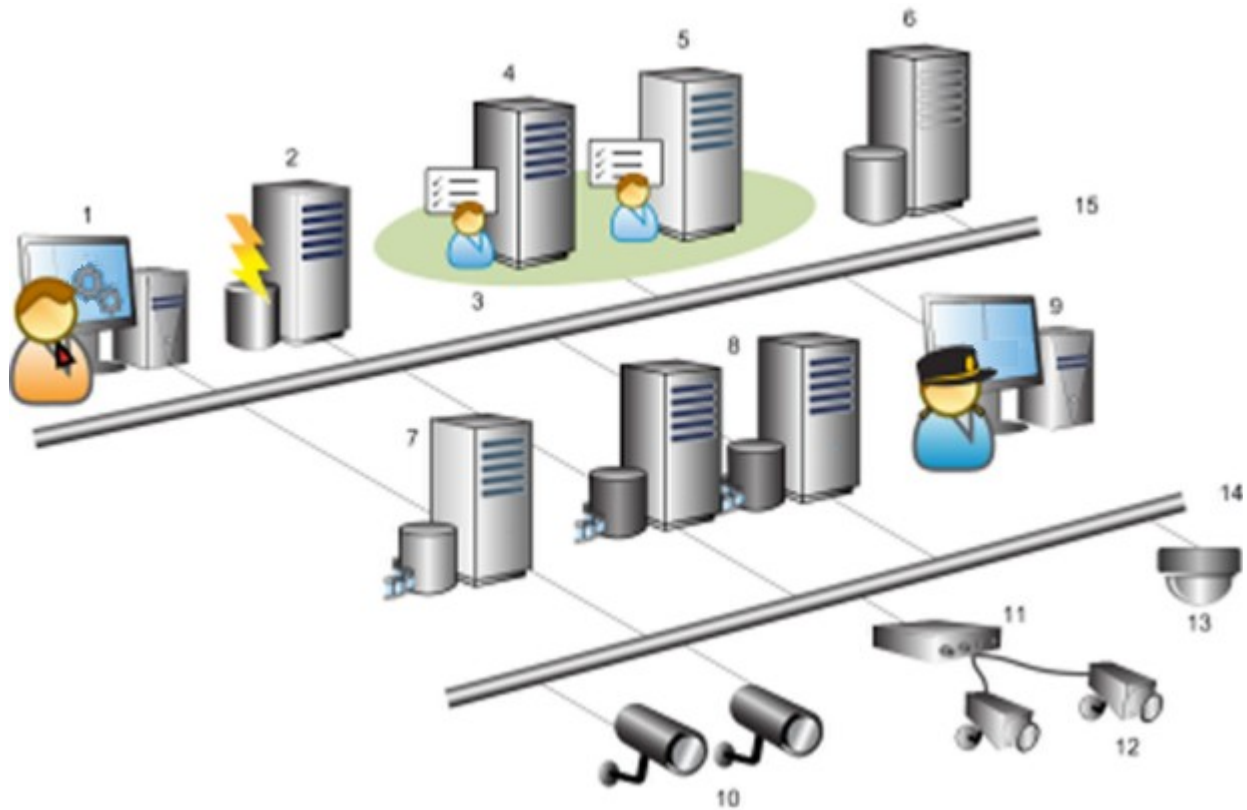


image from <https://www.milestonesys.com/globalassets/techcomm/2018-r1/advvms/english-united-states/index.htm>

Layer 1 is the Management Client(s) where the AutoExporter plug-in hosted.

The AutoExporter is a Milestone XProtect Management Client plug-in which allows the user to automate exporting videos for a single or a group of cameras. The automation achieved by creating an export jobs that run on a scheduler and can archive the camera data with numerous options and rules.

Prerequisites

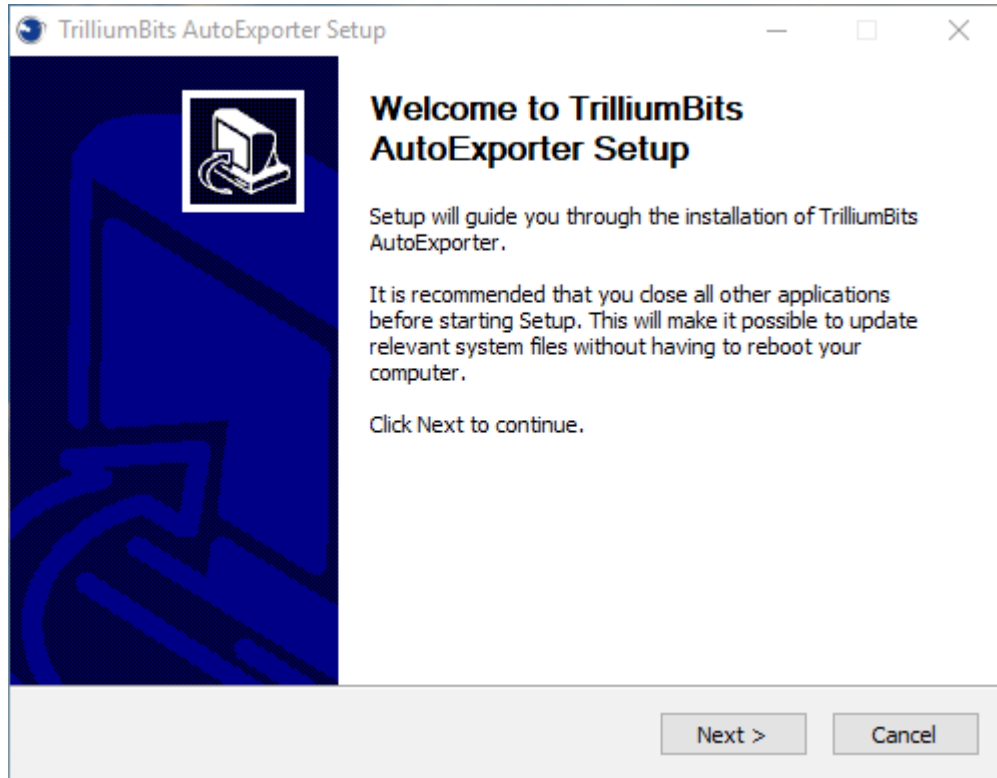
- Microsoft .NET 4.7.1 (included with the installation media)
- Supported Microsoft Operating Systems:
 - Windows Server 2008 R2
 - Windows Server 2012 R2
 - Windows Server 2016
 - Windows 7 Professional
 - Windows 8 Professional
 - Windows 10 Professional
- Operational Milestone system, with valid access 2016 to 2018.

Key features

- Archive camera data by a time frame
- Archive camera data based on Alarms, Bookmarks, Evidence Lock and Sequences
- Create export jobs for one camera or group of cameras
- Merger the export for multiple cameras.
- Multiple archive formats including: XProtect (BLK), Media Player (AVI, MKV), Still images
- Configurable scheduling for exporting tasks

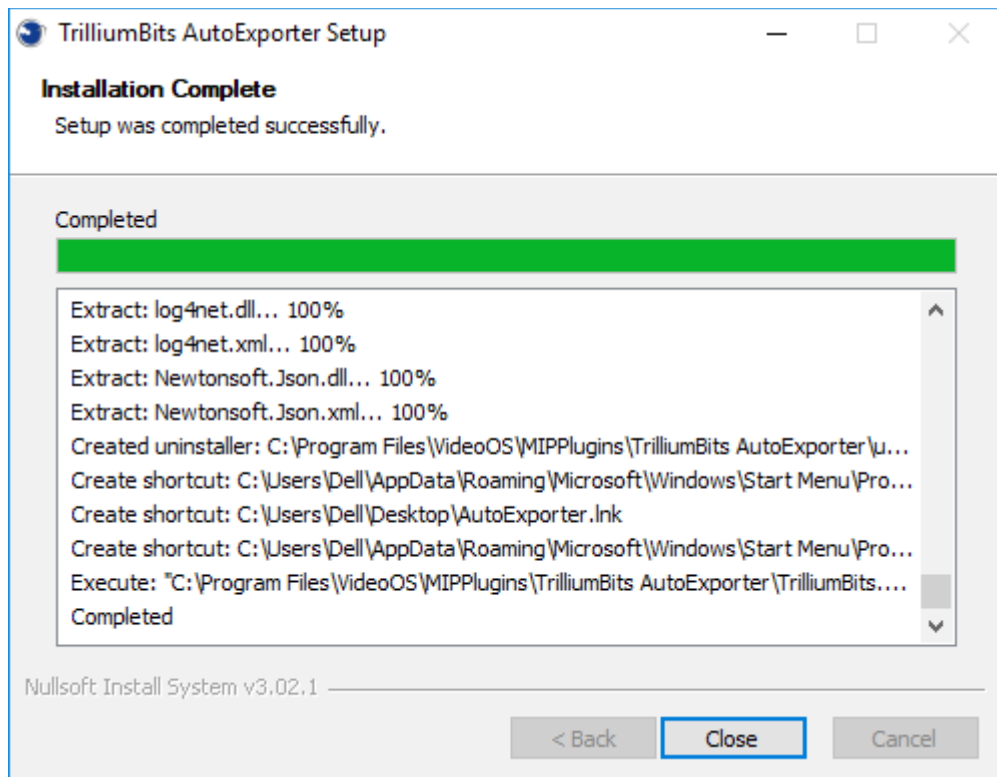
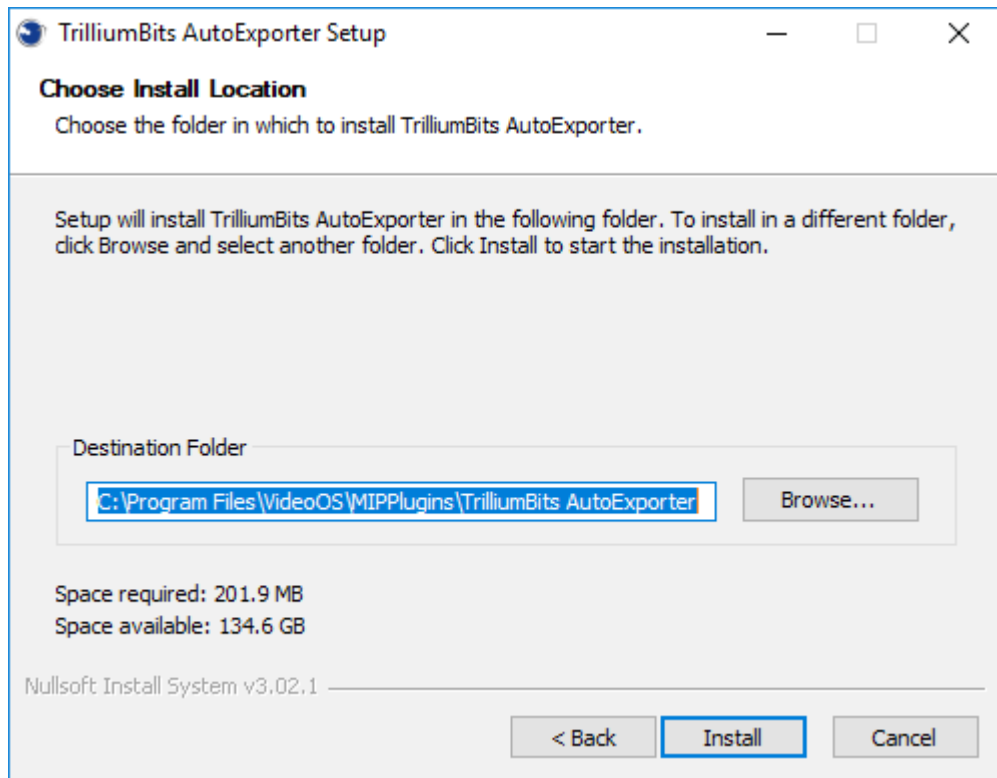
Installing the integration

Run AutoExporterSetup.exe file as administrator, follow the on-screen prompts.



If a non-standard install drive is used as an OS drive, then the install drive may be changed to the correct values e.g. "D:\".

TrilliumBits AutoExporter Plug-in



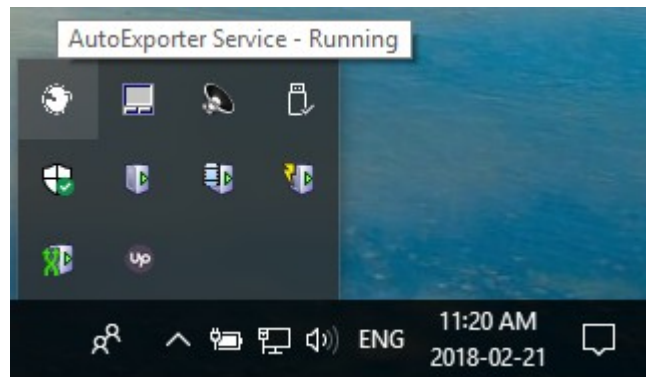
Starting AutoExporter Service

After the installation has completed, launch AutoExporter service.

Double click on AutoExporter shortcut that created by the setup to start the service.



Verify it running from AutoExporter system tray icon

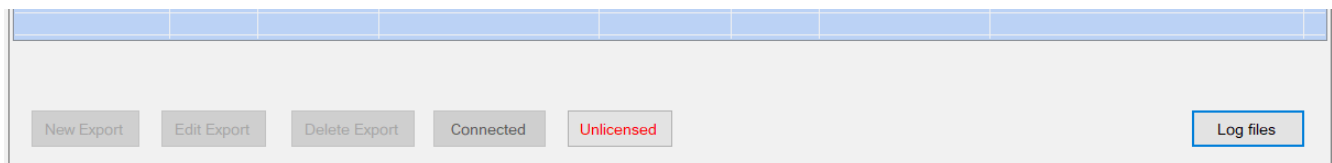
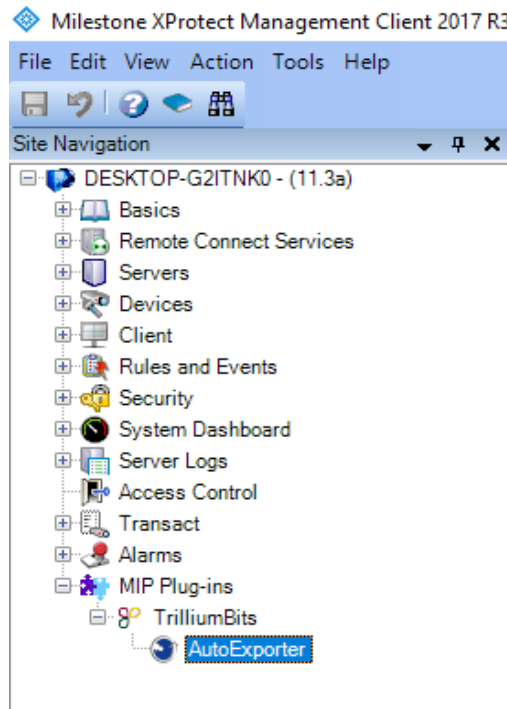


If it didn't start for any reason, you can launch it from the system tray icon



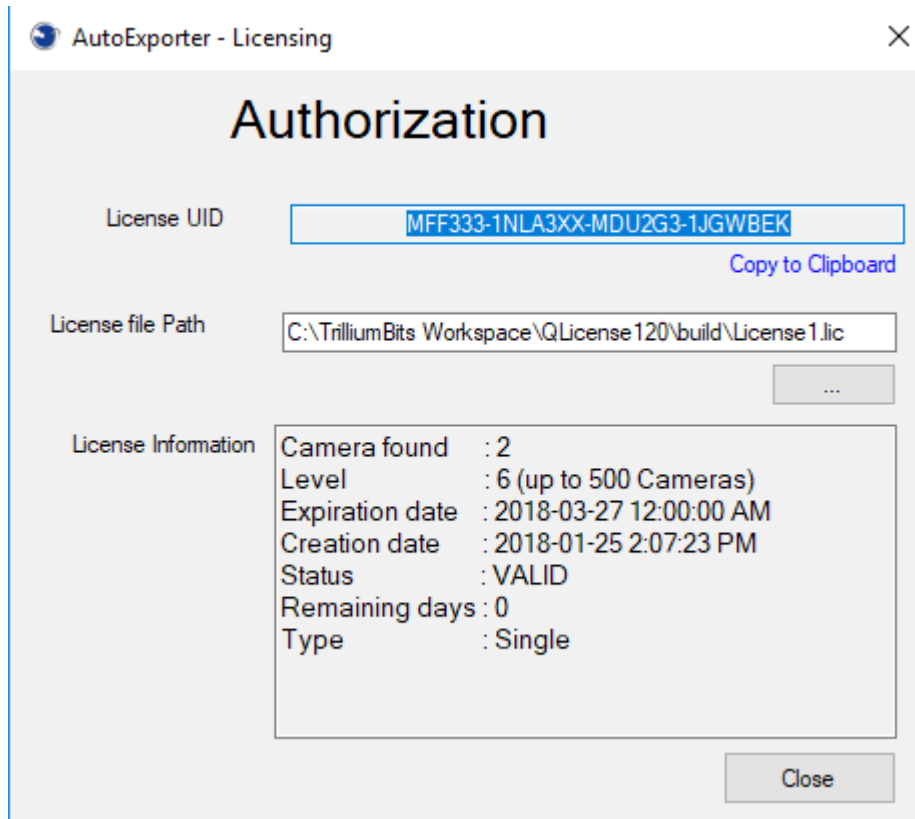
Licensing

After starting the main service, launch your Milestone XProtect Management Client. Navigate to MIP Plug-ins → TrilliumBits → AutoExporter and click Unlicensed button.



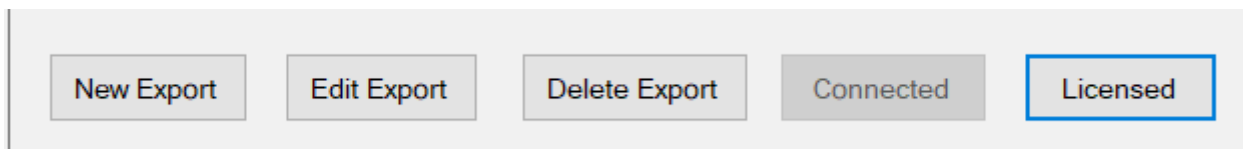
TrilliumBits AutoExporter Plug-in

After clicking on the Unlicensed button:



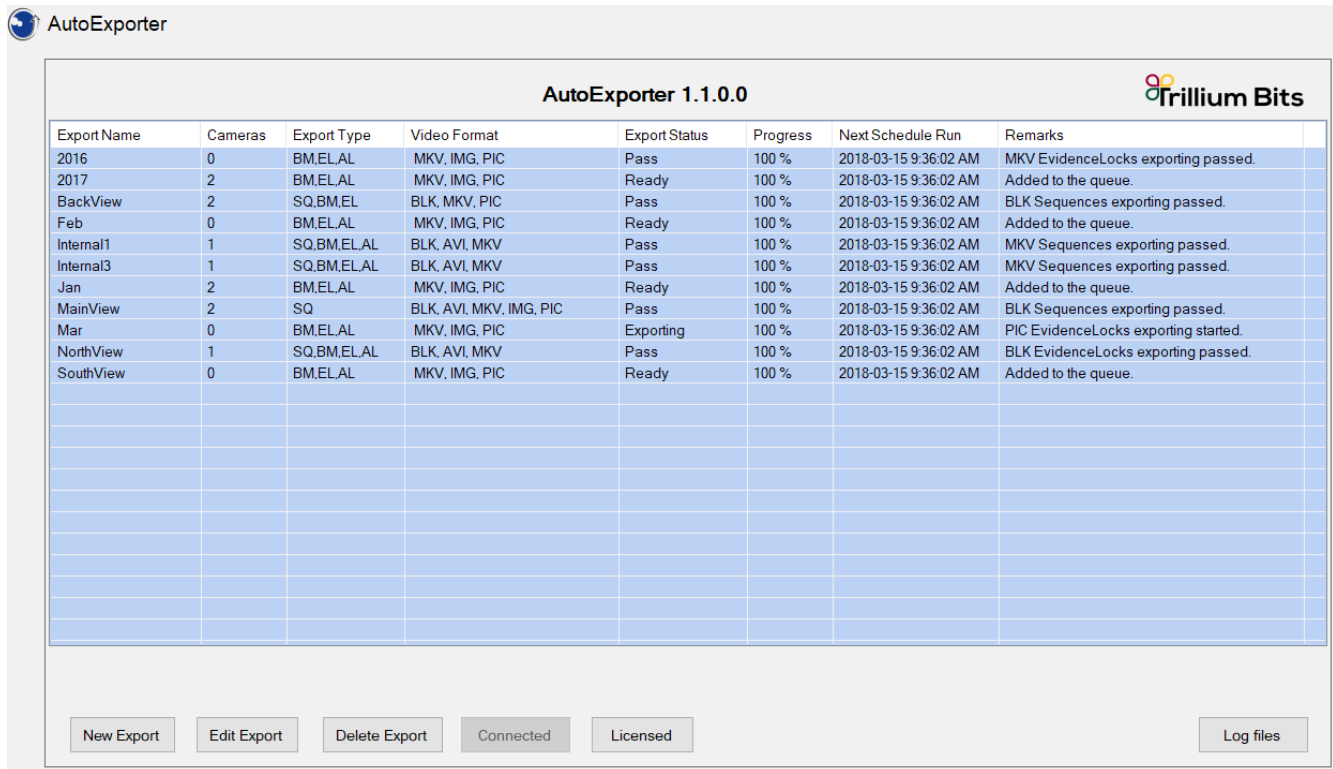
Copy the License UID and email it to sales@TrilliumBits.com

We will then generate a new license file for your system. Browse that file and you will see license information. Your plug-in is now activated.



The AutoExporter Interface

Navigate to TrilliumBits AutoExporter in the Milestone Management Client.



The screenshot displays the AutoExporter interface. At the top left, there is a globe icon and the text "AutoExporter". The main area features a table titled "AutoExporter 1.1.0.0" with the Trillium Bits logo in the top right corner. The table has eight columns: Export Name, Cameras, Export Type, Video Format, Export Status, Progress, Next Schedule Run, and Remarks. Below the table, there are several buttons: "New Export", "Edit Export", "Delete Export", "Connected", "Licensed", and "Log files".

Export Name	Cameras	Export Type	Video Format	Export Status	Progress	Next Schedule Run	Remarks
2016	0	BM,EL,AL	MKV, IMG, PIC	Pass	100 %	2018-03-15 9:36:02 AM	MKV EvidenceLocks exporting passed.
2017	2	BM,EL,AL	MKV, IMG, PIC	Ready	100 %	2018-03-15 9:36:02 AM	Added to the queue.
BackView	2	SQ,BM,EL	BLK, MKV, PIC	Pass	100 %	2018-03-15 9:36:02 AM	BLK Sequences exporting passed.
Feb	0	BM,EL,AL	MKV, IMG, PIC	Ready	100 %	2018-03-15 9:36:02 AM	Added to the queue.
Internal1	1	SQ,BM,EL,AL	BLK, AVI, MKV	Pass	100 %	2018-03-15 9:36:02 AM	MKV Sequences exporting passed.
Internal3	1	SQ,BM,EL,AL	BLK, AVI, MKV	Pass	100 %	2018-03-15 9:36:02 AM	MKV Sequences exporting passed.
Jan	2	BM,EL,AL	MKV, IMG, PIC	Ready	100 %	2018-03-15 9:36:02 AM	Added to the queue.
MainView	2	SQ	BLK, AVI, MKV, IMG, PIC	Pass	100 %	2018-03-15 9:36:02 AM	BLK Sequences exporting passed.
Mar	0	BM,EL,AL	MKV, IMG, PIC	Exporting	100 %	2018-03-15 9:36:02 AM	PIC EvidenceLocks exporting started.
NorthView	1	SQ,BM,EL,AL	BLK, AVI, MKV	Pass	100 %	2018-03-15 9:36:02 AM	BLK EvidenceLocks exporting passed.
SouthView	0	BM,EL,AL	MKV, IMG, PIC	Ready	100 %	2018-03-15 9:36:02 AM	Added to the queue.

The interface shows the current version installed (1.1.0.0) for the AutoExporter. In the central area a list of exports created, the columns shows the export name, total number of cameras used, the export type and the video format used. The list also displays the export status and the progress as a percentage value. Every Export job will be launched on a scheduled time, the list shows the next time an export will be fired. Finally, a remark that shows the export result.

Along the bottom, you will see New Export, Edit, Delete, Connected, License and Log files buttons. If (for any reason) the plug-in fails to connect to the AutoExporter service, this button will turn into red color and give the user a chance to connect to the service using the system tray icon.

Legend for Export Type:

AL: Alarm

BK: Bookmark

EL: Evidence Lock

SQ: Sequences

Legend for Video Format:

AVI: A popular file format for video. Files in this format carry the .avi file extension.

BLK: XProtect native format

MKV: Matroska format

IMG: Still images

PIC: XProtect old format

Click on New Export button to create a new Export Job.

Creating a new Export

Export Schedule

The screenshot shows a 'Manage Export' dialog box with the following fields and options:

- Export Name:** MainView
- Description:** Main streetview
- Export Schedule:** Export Type | Camera | Time Frame | Video Format | Export Destination
- Time to start this Export:** 9 March, 2018 4:44:08 PM
- Frequency Options:**
 - One Time
 - Daily
 - Recur every: 1 days
 - Weekly
 - Recur every: 1 weeks on
 - Sunday Monday Tuesday Wednesday Thursday Friday Saturday
 - Monthly
 - Months: [dropdown]
 - Days: [dropdown]
 - On: [dropdown]
- Buttons:** Save, Cancel

Fill the export name and the description. Every export is running on a schedule time, select the time to start the export and the repetition. Export can be launched one time only, or repeated many times.

Export Type

Export Name: MainView Description: Main street view

Export Schedule | **Export Type** | Camera | Time Frame | Video Format | Export Destination

Bookmarks (BM)

My Bookmarks Only

Export by Reference, Header or Description: red car

Evidence Locks (EL)

My Evidence Lock only

Export by Reference: [Empty field]

Alarms (AL)

Export by State: InProgress

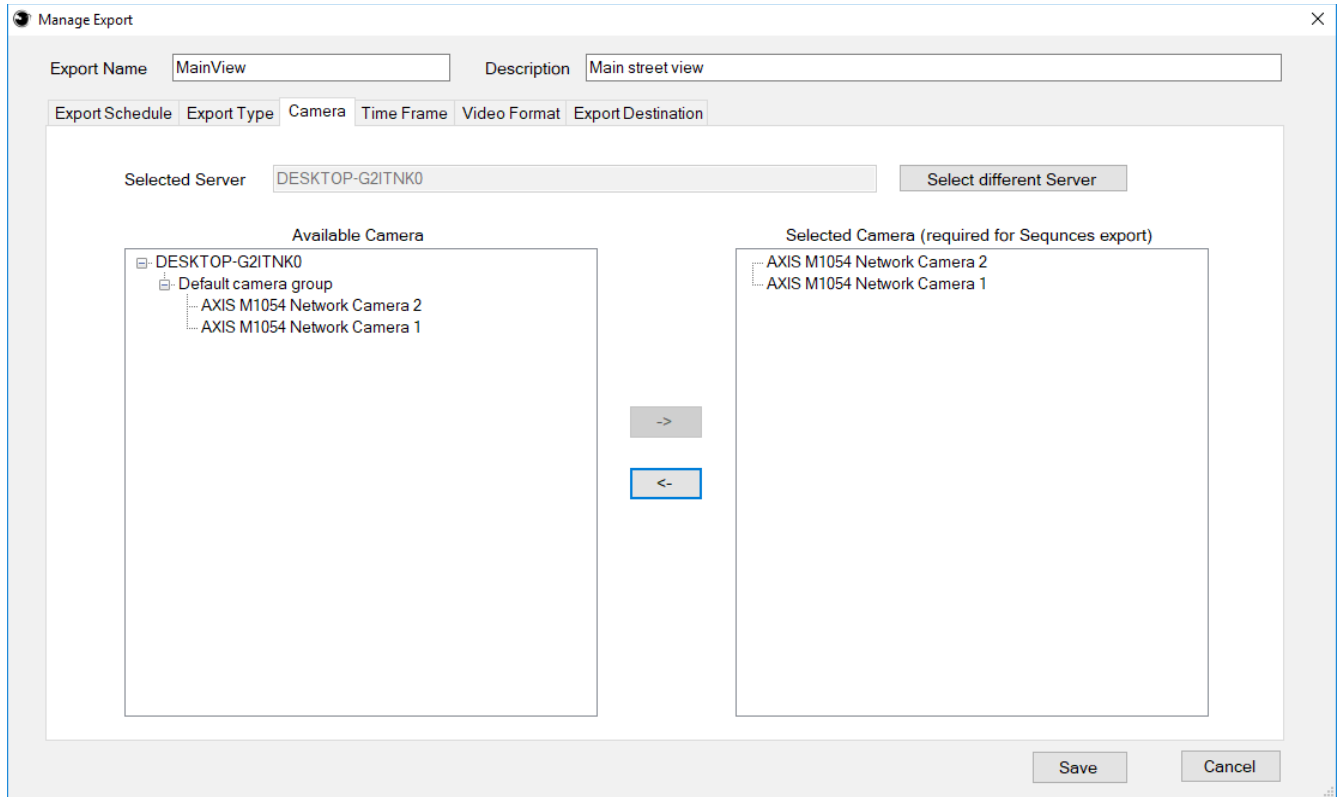
Sequences (SQ)

Merge all exports into one Sequence per Camera (BLK and PIC format only)

Save Cancel

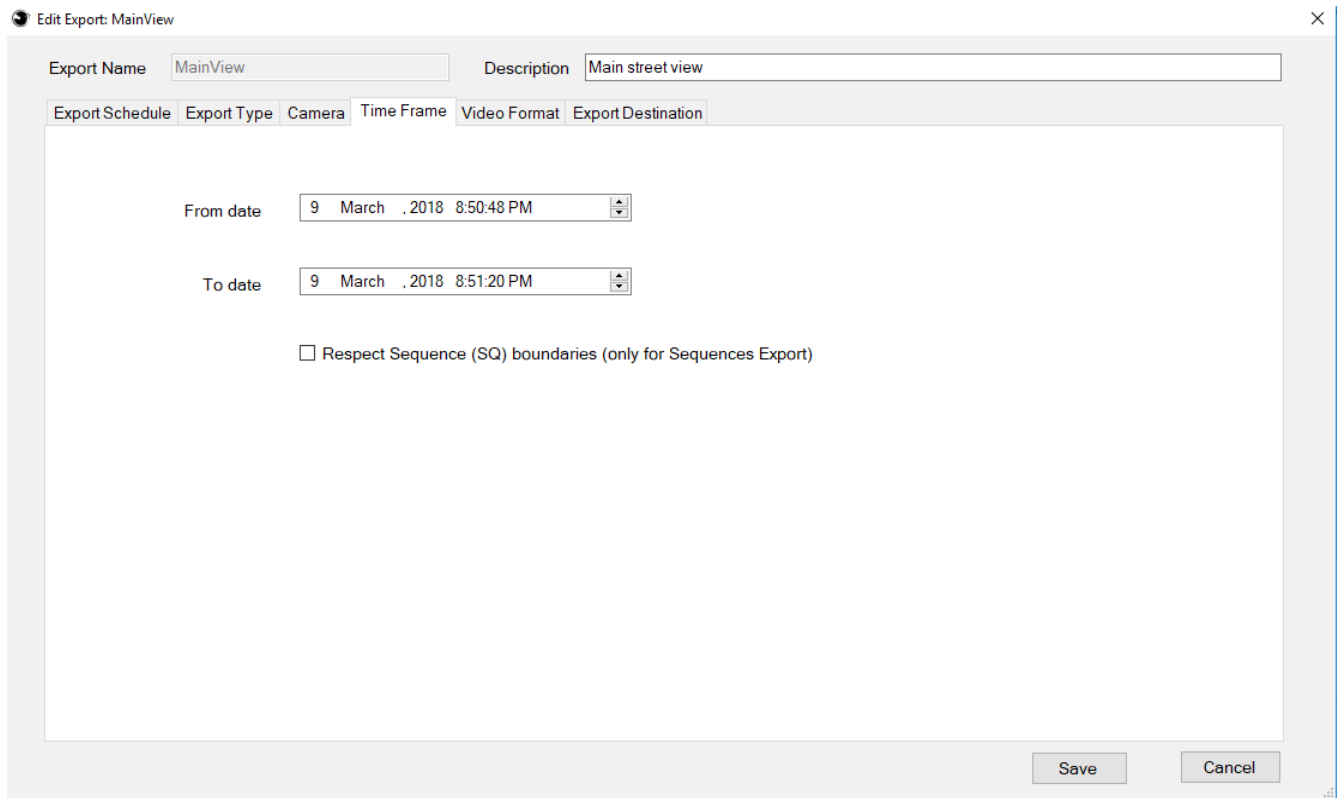
- **Bookmarks (BM)**
 - Export Bookmarks for the current user only.
 - Export those Bookmarks that contains a specific words.
 - Export all Bookmarks (by having 'My Bookmarks' unchecked and 'Description' empty)
- **Evidence Lock (EL)**
 - Export Evidence Lock for the current user only.
 - Export those Evidence Lock that contains a specific words in the reference field.
 - Export all Evidence Lock (by having 'My Evidence' unchecked and 'Reference' empty)
- **Alarms (AL)**
 - Export by states: Any, New, In Progress, On Hold or Closed
- **Sequences (SQ)**
 - Merge all exported video sequences in one video export so can be played in the same Smart Client.
 - Export all sequences separately.

Camera

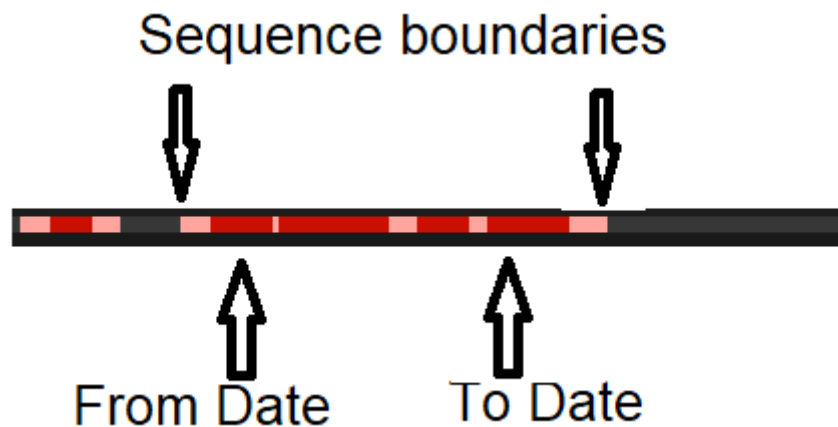


- Select the server you want to export from.
- Choose your camera or a group of cameras, the selected cameras will be used to retrieve the sequences.

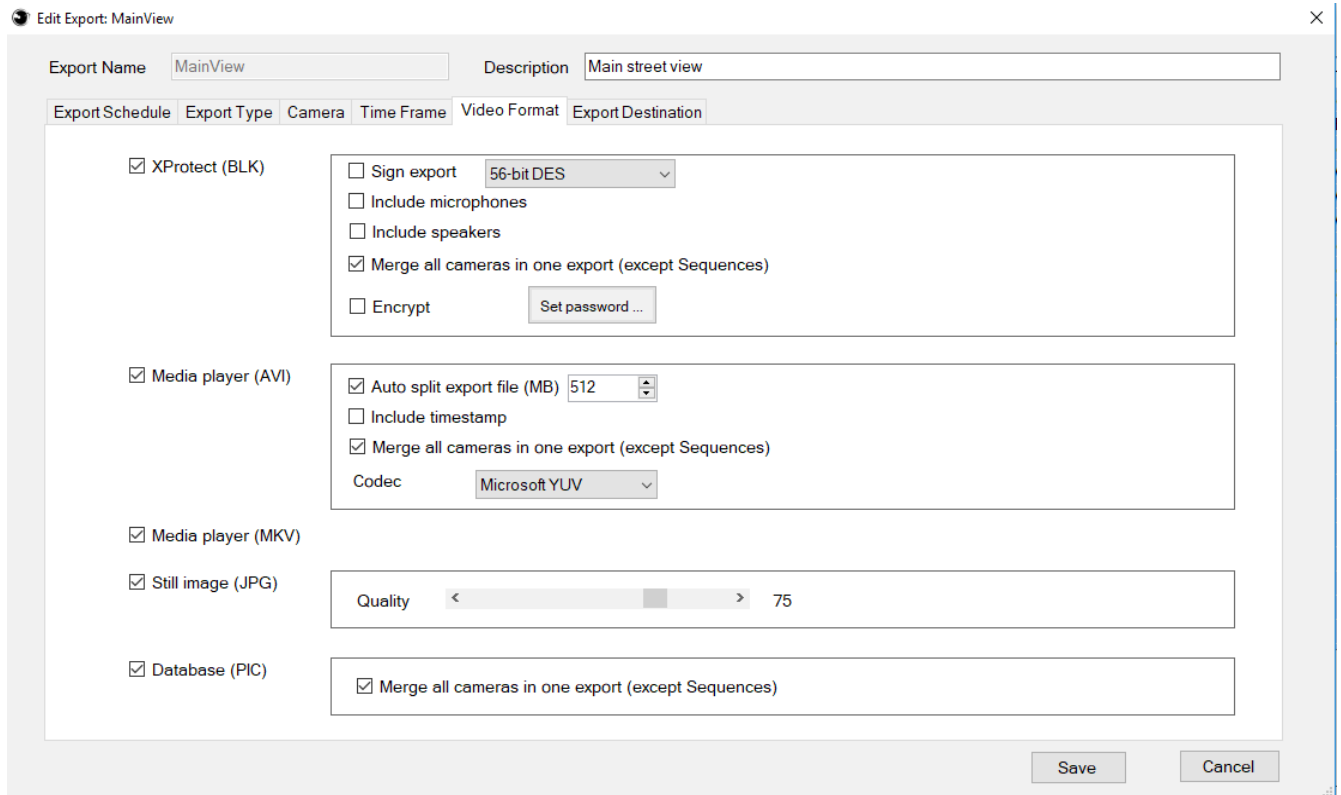
Time Frame



- Select the starting time and end time for your export.
- Respect Sequence boundaries is to avoid cutting the sequence boundary time by from date and to date.



Video Format



- XProtect (BLK) format
- Media player (AVI) format
- Media player (MKV) format
- Still images (JPG)
- Database (PIC) format

Export Destination

Manage Export

Export Name: MainView Description: Main street view

Export Schedule | Export Type | Camera | Time Frame | Video Format | Export Destination

Export Path: C:\repository

Local / shared folder (selected)

Network

User Name: []

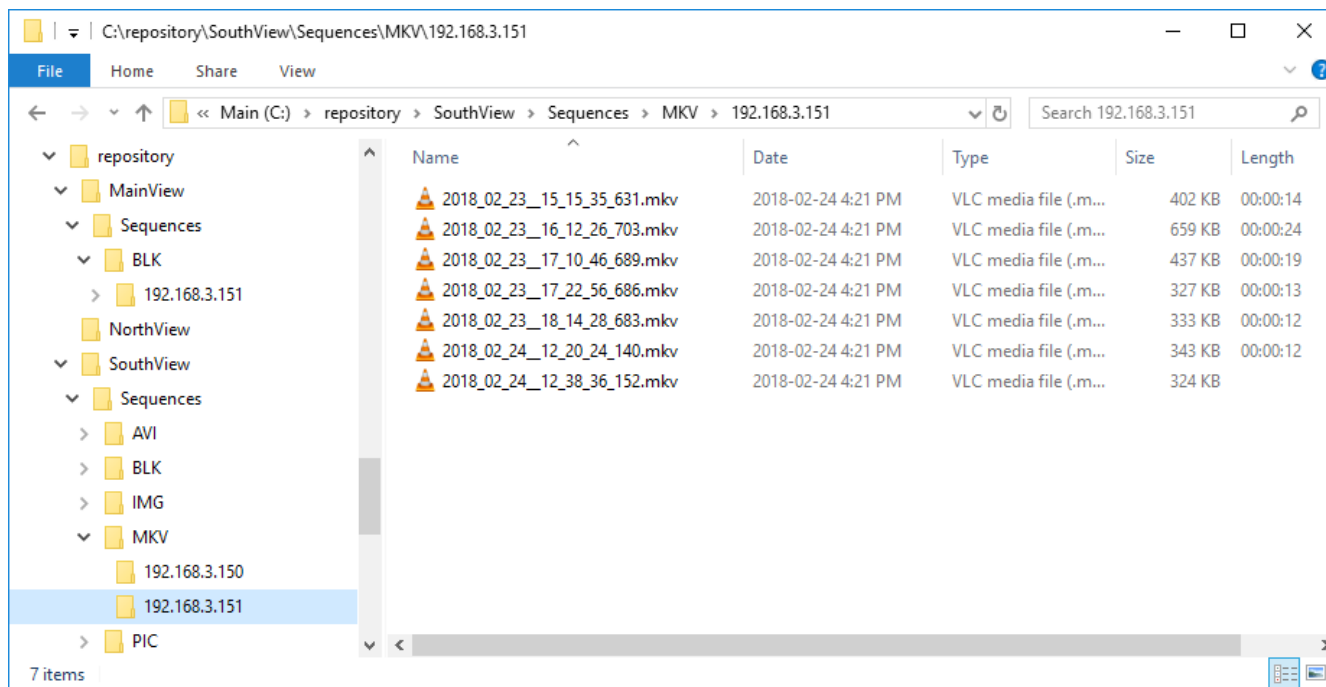
Password: []

Hostname/Domain: []

Save Cancel

- Select Export destination path
- If the selected path is a network path, then user credentials needed.

Export Folder



The destination folder will be structured as follows:

Export Destination/Export Name/Alarms/AVI/Camera name/*.avi

Export Destination/Export Name/Alarms/BLK/Camera name/2018_03_09__20_50_48_000/*.*

Export Destination/Export Name/Alarms/IMG/Camera name/2018_03_09__20_50_48_000/*.jpg

Export Destination/Export Name/Alarms/MKV/Camera name/*.mkv

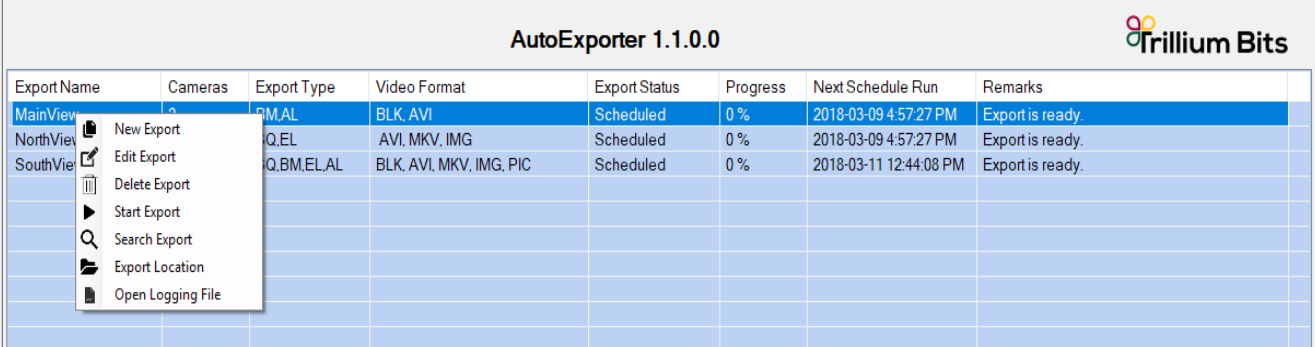
Export Destination/Export Name/Alarms/PIC/Camera name/2018_03_09__20_50_48_000/*.*

Export Destination/Export Name/Bookmarks/...

Export Destination/Export Name/Evidence Locks/...

Export Destination/Export Name/Sequences/...

Export sub menu



The screenshot shows the AutoExporter 1.1.0.0 application window. The title bar reads "AutoExporter 1.1.0.0" and the Trillium Bits logo is in the top right corner. Below the title bar is a table with the following columns: Export Name, Cameras, Export Type, Video Format, Export Status, Progress, Next Schedule Run, and Remarks. Three rows are visible, each representing an export job. A context menu is open over the first row, listing the following options: New Export, Edit Export, Delete Export, Start Export, Search Export, Export Location, and Open Logging File.

Export Name	Cameras	Export Type	Video Format	Export Status	Progress	Next Schedule Run	Remarks
MainView		M.MAL	BLK, AVI	Scheduled	0 %	2018-03-09 4:57:27 PM	Export is ready.
NorthView		Q.EL	AVI, MKV, IMG	Scheduled	0 %	2018-03-09 4:57:27 PM	Export is ready.
SouthView		Q.BM,EL,AL	BLK, AVI, MKV, IMG, PIC	Scheduled	0 %	2018-03-11 12:44:08 PM	Export is ready.

- **New Export:** will create a new export job based on the selected export job properties.
- **Edit Export:** edit the selected export job for more modifications.
- **Delete Export:** delete the selected export job.
- **Start Export:** start the selected export job now.
- **Search Export:** start the selected export job now.
- **Export Location:** open the export folder.
- **Open Logging File:** open the text log file for the selected export job.

Search

The screenshot shows a 'Search' dialog box with the following fields and values:

- Server Name: DESKTOP-G2ITNK0
- Export Name: Exportname
- Export Type: Bookmarks
- Start Time: 12 March , 2018 12:02:34 PM
- End Time: 19 March , 2018 5:02:34 PM
- Contains: (empty text box)
- Select Camera: Any
- Exported Video
- Exported Video format: Any

Buttons: Search, Cancel

- Export Name: Select the export you want to search for.
- Export Type: Alarms, Bookmarks, Evidence Locks or Sequences.
- Set the start time and check the box.
- Set the end time and check the box.
- Contains any text (applied for Alarms, Bookmarks and Evidence Locks only)
- Select your camera.
- Check the Exported Video so you can play/open the exported video.
- Video Format: AVI, BLK, MKV, JPG, PIC or ANY format.

Search Result

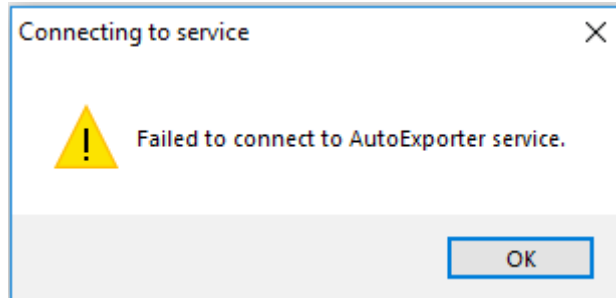
Export Name	Camera	Export Type	Start Time	End Time	Size	Path	Remark
Exportname	AXIS M1054 Networ...	Bookmarks	2018-03-18 12:02:32 PM	2018-03-18 12:02:43 PM	89607	C:\repository\Exportname\Bo...	
Exportname	AXIS M1054 Networ...	Bookmarks	2018-03-18 12:02:32 PM	2018-03-18 12:02:43 PM	89607	C:\repository\Exportname\Bo...	
Exportname	AXIS M1054 Networ...	Bookmarks	2018-03-18 12:02:32 PM	2018-03-18 12:02:43 PM	89607	C:\repository\Exportname\Bo...	
Exportname	AXIS M1054 Networ...	Bookmarks	2018-03-18 12:02:32 PM	2018-03-18 12:02:43 PM	89607	C:\repository\Exportname\Bo...	
Exportname	AXIS M1054 Networ...	Bookmarks	2018-03-18 12:02:32 PM	2018-03-18 12:02:43 PM	89607	C:\repository\Exportname\Bo...	
Exportname	AXIS M1054 Networ...	▶ Play Export	2018-03-18 12:02:32 PM	2018-03-18 12:02:43 PM	89607	C:\repository\Exportname\Bo...	
Exportname	AXIS M1054 Networ...	▶ Open Export Location	2018-03-18 12:02:32 PM	2018-03-18 12:02:43 PM	89607	C:\repository\Exportname\Bo...	
Exportname	AXIS M1054 Networ...	Bookmarks	2018-03-18 12:02:32 PM	2018-03-18 12:02:43 PM	89607	C:\repository\Exportname\Bo...	
Exportname	AXIS M1054 Networ...	Bookmarks	2018-03-18 12:02:32 PM	2018-03-18 12:02:43 PM	89607	C:\repository\Exportname\Bo...	
Exportname	AXIS M1054 Networ...	Bookmarks	2018-03-18 12:02:32 PM	2018-03-18 12:02:43 PM	89607	C:\repository\Exportname\Bo...	
Exportname	AXIS M1054 Networ...	Bookmarks	2018-03-18 12:09:28 PM	2018-03-18 12:09:39 PM	152982	C:\repository\Exportname\Bo...	
Exportname	AXIS M1054 Networ...	Bookmarks	2018-03-18 12:09:28 PM	2018-03-18 12:09:39 PM	152982	C:\repository\Exportname\Bo...	
Exportname	AXIS M1054 Networ...	Bookmarks	2018-03-18 12:09:28 PM	2018-03-18 12:09:39 PM	152982	C:\repository\Exportname\Bo...	
Exportname	AXIS M1054 Networ...	Bookmarks	2018-03-18 12:09:28 PM	2018-03-18 12:09:39 PM	152982	C:\repository\Exportname\Bo...	
Exportname	AXIS M1054 Networ...	Bookmarks	2018-03-18 12:09:28 PM	2018-03-18 12:09:39 PM	152982	C:\repository\Exportname\Bo...	
Exportname	AXIS M1054 Networ...	Bookmarks	2018-03-18 12:09:28 PM	2018-03-18 12:09:39 PM	152982	C:\repository\Exportname\Bo...	
Exportname	AXIS M1054 Networ...	Bookmarks	2018-03-18 12:09:28 PM	2018-03-18 12:09:39 PM	152982	C:\repository\Exportname\Bo...	
Exportname	AXIS M1054 Networ...	Bookmarks	2018-03-18 12:09:28 PM	2018-03-18 12:09:39 PM	152982	C:\repository\Exportname\Bo...	
Exportname	AXIS M1054 Networ...	Bookmarks	2018-03-18 12:09:28 PM	2018-03-18 12:09:39 PM	152982	C:\repository\Exportname\Bo...	
Exportname	AXIS M1054 Networ...	Bookmarks	2018-03-18 12:09:28 PM	2018-03-18 12:09:39 PM	152982	C:\repository\Exportname\Bo...	

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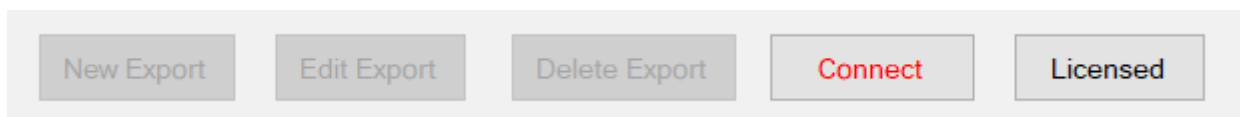
Previous Next New Search ... Cancel

Troubleshooting

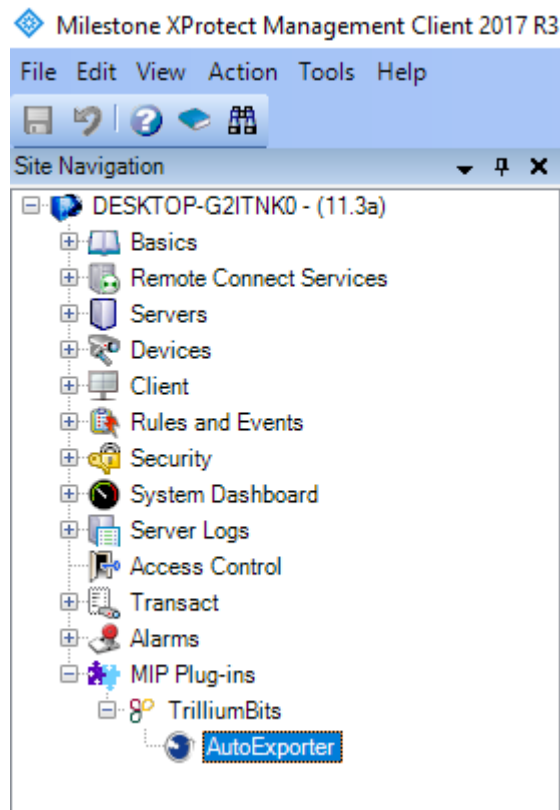
1- Failed to connect to AutoExporter service.



- Click OK, AutoExporter will try to reconnect after clicking OK.
- If it does not connected, the Connect button will be turned to the **RED** color.

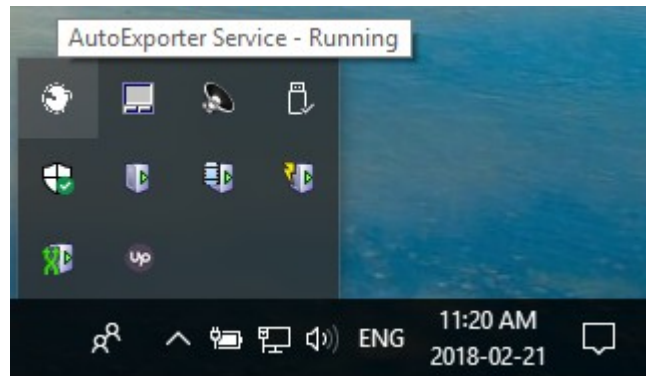


- Click on Connect again, if didn't resolve the connection error. Click on any node on Milestone Site Navigation, this will close the interface, after a while, click again on AutoExporter Node.



TrilliumBits AutoExporter Plug-in

- If not resolved, verify the AutoExporter service is running as shown on the system tray icon.
It is possible to stop/start the service by right clicking the icon.



2- AutoExporter Service is not connected to Milestone Service.

The screenshot shows the "AutoExporter 1.1.0.0" application window. At the top right is the "Trillium Bits" logo. A red error icon and a tooltip message "AutoExporter Service is not connected to Milestone Service." are visible. Below is a table with the following data:

Export Name	Cameras	Export Type	Export Format	Export Status	Progress	Next Schedule	Remarks
MainView	1	SQ	BLK	Ready	0 %		Main street view
NorthView	2	BM,EL,AL	BLK, AVI, MKV, IMG, PIC	Ready	0 %		North View
SouthView	2	SQ,BM,EL,AL	BLK, AVI, MKV, IMG, PIC	Ready	0 %		Main street view

Below the table, the same error message is repeated. At the bottom, there are buttons for "New Export", "Edit Export", "Delete Export", "Connected", "Licensed", and "Log files".

- AutoExporter try to connect to Milestone server, it will take some time to connect, if stay the whole session, then verify Milestone service running.

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