

# MOBILE VIDEO RECORDER INTEGRATION TO XPROTECT PRODUCT GUIDE



## IMPORTANT NOTICES

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## Overview

Safety Vision's Mobile Video Recorder Integration (Mobile Video plug-in) to Milestone's XProtect Smart Client (XProtect) allows XProtect to receive and display data from any mobile video recorder with the proper Milestone APIs and ONVIF profile. Seamlessly fitting into the XProtect interface, the Mobile Video plug-in enhances your fleet's vehicle surveillance capabilities, live video streaming and fleet tracking. The plugin allows users to view every camera angle at once and zoom in on important details. Data like speed, route history, and other vehicle metadata such as turn signals, brakes, hazard lights and more, are all synchronized with video and graphically displayed for easy analysis.

## Installation Guide

### System Requirements

Refer to the Milestone website for system requirements to run XProtect and associated plug-ins:

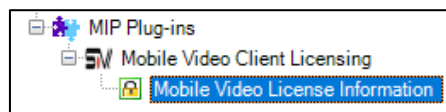
[www.milestonesys.com/support/tools-and-references/system-requirements/](http://www.milestonesys.com/support/tools-and-references/system-requirements/)

### Obtaining the Mobile Video Plug-in License File

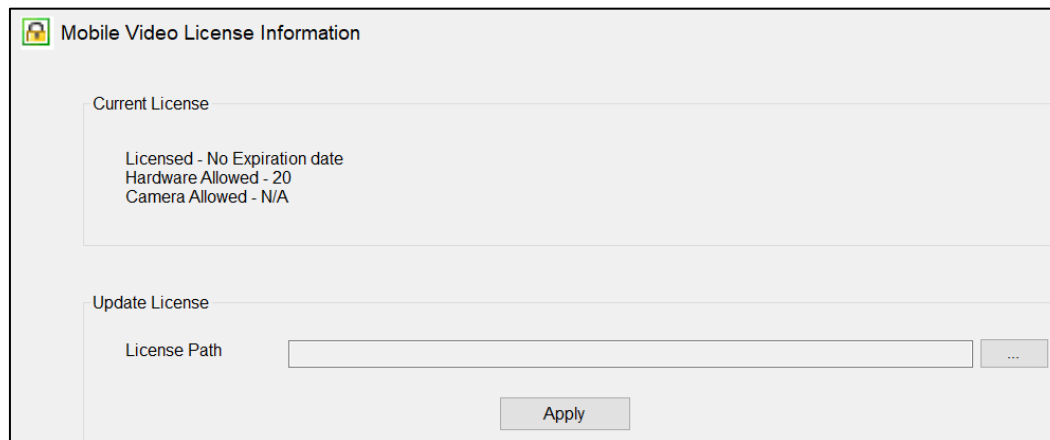
Contact Safety Vision to obtain the license file necessary to activate the Mobile Video plug-in. By default, the plug-in has a grace period of 30 days for two recorders.

### Installing the Mobile Video Plug-in on the Server

Contact Safety Vision to receive and download the latest version of the plug-in.  
Open and execute the installation file, following the prompts of the installation wizard.  
When installation is complete, open and log in to *Milestone XProtect Management Client*.  
Navigate to **MIP Plug-ins > Mobile Video Client Licensing > Mobile Video License Information**.



Navigate to the **License Path** field and click the three dots to the right of the field.



Open the license file provided by Safety Vision. This will activate the plug-in within XProtect.

### Installing the Mobile Video Plug-in on the Client Side

1. Contact Safety Vision to receive and download the latest version of the plug-in.  
Open and execute the installation file, following the prompts of the installation wizard.  
Open and log in to *Milestone XProtect Smart Client*. The Mobile Video tab will now appear in the interface.



## Accessing the Mobile Video Plug-in

To access the Mobile Video plug-in,

1. Search your computer for *Milestone XProtect Smart Client*.
2. When the program name appears, double click to open the program.
3. Navigate to the **Mobile Video** tab. This is the interface of the plug-in. The rest of this product guide explores the elements of this tab. This product guide does not explore any other tabs within XProtect.



## Using the Mobile Video Plug-in

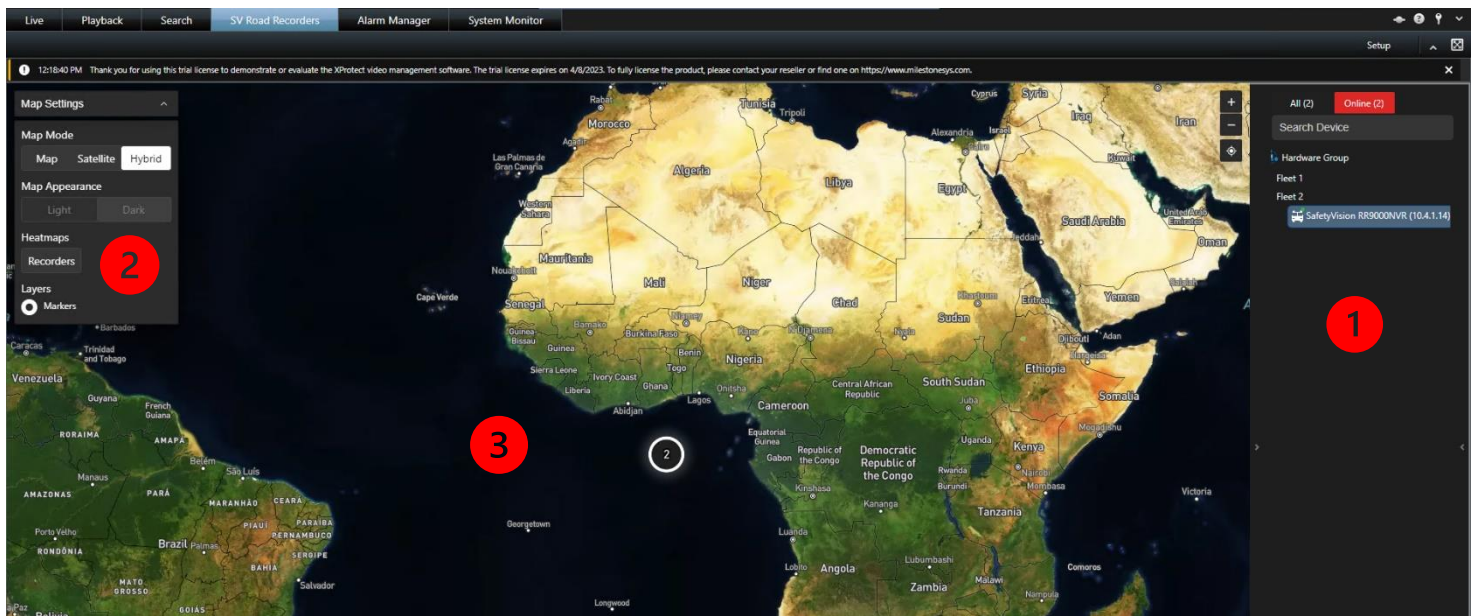
The Mobile Video Plug-in interface is composed of four main areas:

1. The right-hand Device window

*NOTE: If the Device window is not visible, click the small arrow on the right-hand side of the screen:*




2. The left-hand Map Settings window
3. The Map window



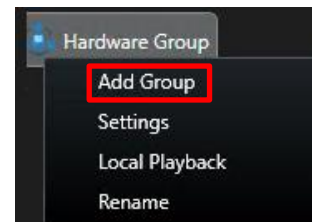
## Devices

### Adding a Group

A *group* is a way to categorize devices in a fleet, according to your needs. To add a group within the plug-in,

1. Click the small arrow on the right-hand side of the screen.  This will expand the Device window.
2. Right click on the root group (*by default, this is named Hardware Group*).
3. Click **Add Group**.
4. In the window that appears, type in the Group name and click **OK**. The new group will appear within the root group.

**NOTE:** You may have to expand the root group to see the new group(s).




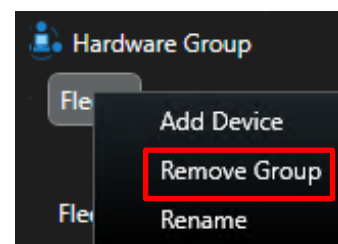
### Removing a Group

A *group* is a way to categorize devices in a fleet, according to your needs.

**CAUTION:** Removing a group removes all devices within that group.

To remove a group that is no longer needed,


1. Click the small arrow on the right-hand side of the screen.  This will expand the Device window.
2. Select the Group you wish to remove.
3. Right click on the Group.
4. Click **Remove Group**. The Group will disappear from the root group.

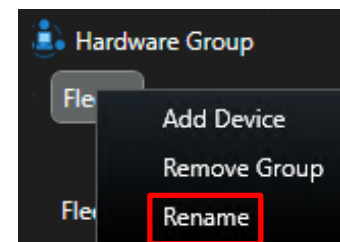


### Renaming a Group

A *group* is a way to categorize devices in a fleet, according to your needs.


To rename a group,

1. Click the small arrow on the right-hand side of the screen.  This will expand the Device window.
2. Select the Group you wish to remove.
3. Right click on the Group.
4. Click **Rename**. Rename the group as appropriate..

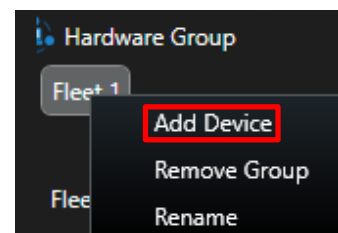


### Adding a Device

A *device* is a mobile video recorder mounted within a vehicle. To add a device within the plug-in,

1. Click the small arrow on the right-hand side of the screen.  This will expand the Device window.
2. Select a Group in which to add the device.
3. Right click on the Group.
4. Click **Add Device**.
5. In the window that appears, select the device(s) you would like to add and click **OK**.
  - If you would like to add all devices from a particular Group, select the checkbox next to the Group name and click **Select**.
  - The new device(s) will appear within the Group tree.


**NOTE:** You may have to expand the Group tree to see the new device(s).





## Removing a Device

A *device* is a mobile video recorder mounted within a vehicle. To remove a device within the plug-in,

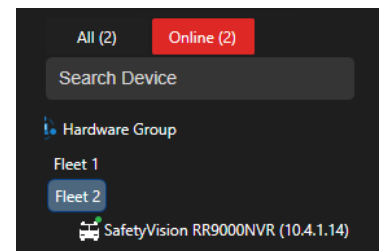
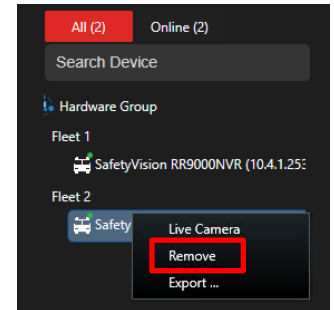
1. Click the small arrow on the right-hand side of the screen.  This will expand the Device window.
2. Expand the Group in which the device is found.
3. Select the device you wish to remove.
4. Right click on the Device.
5. Click **Remove**. The Device will disappear from the Group list.

## Locating Online Devices

To locate devices that are currently online,



1. Click the small arrow on the right-hand side of the screen.  This will expand the Device window.
2. Select the **Online** tab. This will open a listing of all active, online devices.

**NOTE:** The option to add/remove groups and devices is available in this tab as well as in the **All** tab.



Viewing Device Information

To view information about a device,

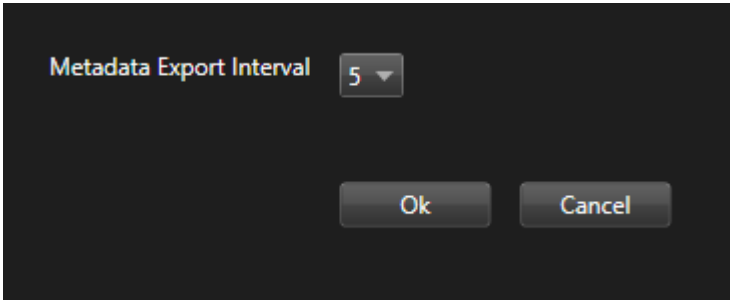
1. Click the small arrow on the right-hand side of the screen.  This will expand the **Device** window.
2. Select the **All** tab. (This should be the tab that is open by default.)
3. Expand the Group in which the device is found.
4. Select the Device you wish to learn about.
5. Click the small arrow that is now on the right-most side of the screen.  This will further expand the **Device** window.
6. Click through the tabs in the new window panel:
  - **Metadata:** Provides information about the connectivity, location, movement, and sensory inputs of the device.
  - **Cameras:** Lists the cameras associated with the recorder.
  - **Events:** Lists information of recorder events like crime, panic, etc.
  - **Alerts:** Provides information about device online/offline tracking.

Metadata	Cameras	Events	Alerts
Serial Number	LR202007020030		
RSSI	<div><div></div></div> Not Connected		
Ignition	21.96 V		
Date	08/10/2022 16:07:40		
Latitude	29.85762		
Longitude	-95.56278166666667		
Speed	0		
Direction	0		
CPU Usage	14.9%		
Storage Used	95%		
Sensory			
	● Inactive	Input 1	
	● Inactive	Input 2	
	● Inactive	Input 3	
	● Inactive	Input 4	
	● Inactive	Input 5	
	● Inactive	Input 6	
	● Inactive	Input 7	
	● Inactive	Input 8	

Changing Metadata Update Intervals

To change the number of seconds (1-5) it takes for metadata to update in the plug-in,

1. Navigate to the **Device** window.
2. Right click on the root group (*by default, this is named Hardware Group*).
3. Select **Settings**. This will open a pop-up window.
4. Adjust the timing to the desired number of seconds and click **OK**.



## Map Settings

Map Settings are located in the top left-hand corner of the Mobile Video plug-in interface. Here, users may adjust map appearance to their liking.

### Changing Map Mode

To change map mode,

1. Click the dropdown arrow next to the text, *Map Settings*.
2. Under Map Mode, select either

- **Map**
- **Satellite**
- or **Hybrid**

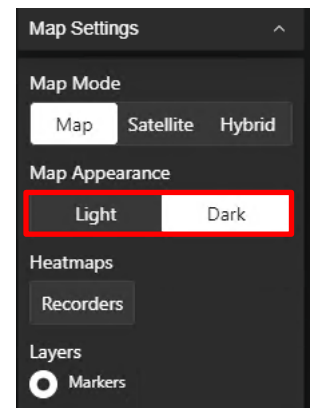
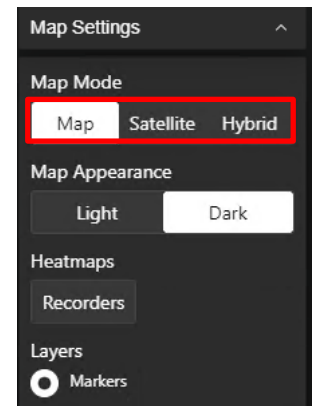
***NOTE:** If the location of a device becomes unclear while toggling between map modes, double click the device's name in the device pane and zoom in or out on the map as necessary. This will re-center the map view onto the device.*

### Changing Map Appearance

To change map appearance,

1. Click the dropdown arrow next to the text, *Map Settings*.  
Under Map Appearance, select either

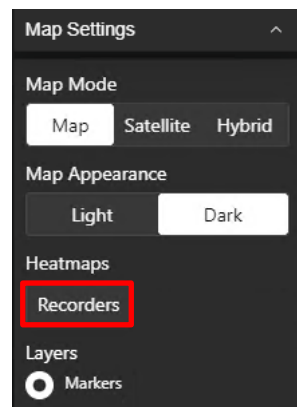
- **Light**
- **Dark**



## Toggling Heatmaps

Heatmaps highlight areas that are commonly trafficked by the recorders within the device list. To turn heatmaps on/off,

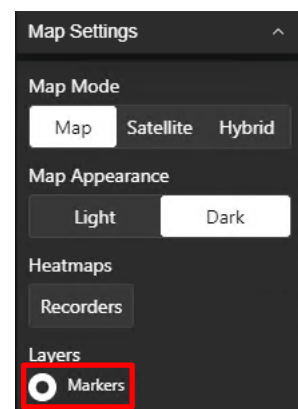
1. Click the dropdown arrow next to the text, *Map Settings*.
2. Under Heatmaps, select **Recorders**.



## Toggling Layers

Layers display the actual recorders' location as a vehicle icon on the map. To toggle layers on/off,

1. Click the dropdown arrow next to the text, *Map Settings*.
2. Under Layers, either select or deselect **Markers**. Deselecting Markers will make recorder icons disappear from the map.

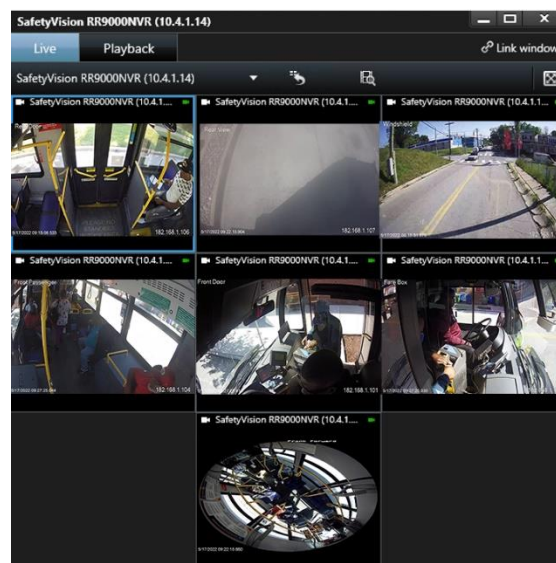


## Live Camera Feeds and Playback Options

To view live feeds and playback options for cameras associated with the vehicle recorder,

1. Navigate to the map space of the interface.
2. Click the recorder (vehicle icon) with feeds/footage you wish to examine. A pop-up window will appear. This pop-up window is fully documented in the Live and Playback sections of the XProtect® Smart Client User Manual, provided by Milestone Systems.

**NOTE:** Users can pull the pop-up window to another computer monitor.



## Exporting Video

To export video along with metadata and the map view,

1. Navigate to the **Device** window.
2. Right click on the device with data you wish to export.
3. Select **Export ...**. The following window will appear:

The screenshot shows a dark-themed dialog box for exporting video. It contains a 'Path' label followed by a text input field and a 'Browse...' button. Below this are 'Start Time' and 'End Time' labels, each followed by a text input field showing a date and time (2022-04-14 12:43:00 and 2022-04-14 12:53:00 respectively) and a calendar icon. At the bottom are 'Ok' and 'Cancel' buttons.

Select a path location for the export to download.  
 Select the start and end times of the video.  
 Click **Ok**.

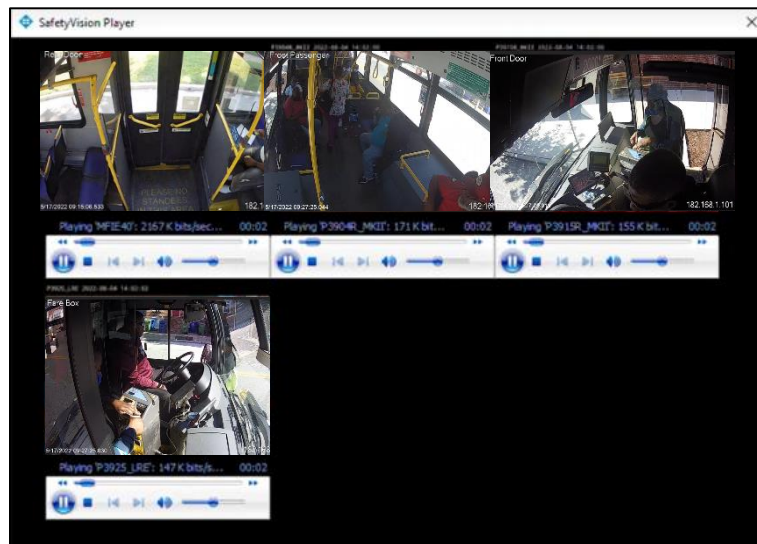
## Obtaining Video from a Recorder's Locally Attached Drive

To obtain video directly from a recorder's locally attached drive,

1. Remove the drive from the recorder.
2. Connect the drive to the local computer.
3. On the local computer, open XProtect and navigate to the **Mobile Video** tab.
4. Click the small arrow on the right-hand side of the screen. This will expand the **Device** window.
5. Right click the root group.
6. Click **Local Playback**. The following window will appear:

The screenshot shows a dark-themed dialog box for local playback. It has a 'Path' label with a text input field and a 'Browse...' button. Below it is a 'Store Path' label with a text input field and a 'Browse...' button. Further down are 'Start Time' and 'End Time' labels with text input fields showing dates and times (2022-08-10 16:59:00 and 2022-08-10 17:09:00) and calendar icons. At the bottom are 'Ok' and 'Cancel' buttons.

7. Select the path to the locally attached drive (pulled from the recorder) in the Path box.
8. Select the path to the desired local storage location in the Store Path box.
9. Select the start and end times of the desired playback footage.
10. Click **OK**. A green bar will appear in the bottom right corner of the screen that says, *Offline Playback Progress*. When the download is complete, the **SafetyVision Player** window will appear with the selected footage.



- The SafetyVision Player window allows users to play, pause, fast forward and rewind footage, and adjust volume.
- Footage will also be available in .mp4 format in the local storage location *(selected in Step 8 above)*.

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