

“Latest Alarm”™ Plugin

for

Milestone XProtect

Automatically / hands-free ...

Display a snapshot image and recurring “before-and-after” video loop of the latest alarm received in the Milestone XProtect Smart Client

User Guide

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The “LATEST ALARM” plug-in by App-Techs is a plug-in designed for the Milestone XProtect Smart Client.

Latest Alarm automatically and persistently plays a brief “before-and-after” video loop of an alarm at the time of occurrence.

Latest Alarm can also display a snapshot image associated with an incoming alarm sent to XProtect by third-party software and devices.

Latest Alarm provides instant, hands-free, recurring visual cues to review alarm context, nature and/or severity, even if the alarm is missed or not viewed in real-time.

Summary

This document provides a basic overview as well as installation and operating instructions for the Latest Alarm plug-in within the Milestone XProtect Smart Client.

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1. Overview

The Latest Alarm™ Plug-in provides a Smart Client operator with automatic and immediate visual information so he or she can assess the nature, context, and/or severity of an alarm.

The plug-in persistently plays a short video loop from the most recent XProtect alarm, showing the video associated with the alarm as the alarm occurred.

The video loop is automatically triggered and does not require the operator to manipulate the Smart Client.

The plug-in also has the option of displaying embedded JPEG snapshot image sent to XProtect by compatible third-party devices.

These features allow an operator to hands-free review an event / alarm at a glance, without the need to manually investigate via video playback.

As any operator can attest, security incidents happen fast. Operators may easily miss an alarm while reviewing other cameras, or they may have briefly stepped away from their desk. In other cases, the cause of an alarm can quickly move out of a live camera view within seconds. With Latest Alarm, the operator will never miss an alarm, because the incident will automatically be replaying on his / her screen, offering a full, retroactive assessment at a glance.

1.1. Features

Latest Alarm plug-in provides the following functionality in the Milestone XProtect Smart Client “Live View” tab / workspace:

- Display a recurring “before-and-after” video loop from the camera associated with an alarm *at the time of occurrence*.
 - o Review video loop to review alarm context, nature, and/or severity. Especially useful if/when key details are missed in real-time.
 - o Video loop activation is automatic and hands-free. Video loop requires no user engagement to launch.
 - o Ideal for Smart Walls and "heads-up" displays.
 - o Video loop start and end offsets are operator-configurable.
 - o Filter alarms by keywords in “Type”, “Source”, and “Message” fields to trigger a video loops only for particular alarms or alarm types.
- Snapshot Image Option:
 - o Display embedded JPEG images included in alarm messages from some third-party systems.
 - o Plugin can be configured to display JPEG images associated with the XProtect within the alarm record.
 - o Displays images sent in by third-party analytics software and devices, including Mango DSP, AnyVision Face Recognition Software, and IronYun Vaidio Video Analytics.
 - o Snapshot image display settings can be adjusted to stretch / fit to screen or otherwise maintain aspect ratio.

2. Installation

The Latest Alarm™ plug-in installs locally on individual workstations. Installation is easy and straightforward.

Simply copy the Spotlight directory provided by App-Techs or an authorized reseller directory and place into the following directory:

- C:\Program Files\Milestone\XProtect Smart Client\MIPPlugins

Close and restart the Smart Client. (Upon start, the Smart Client finds and activates its plug-ins.)

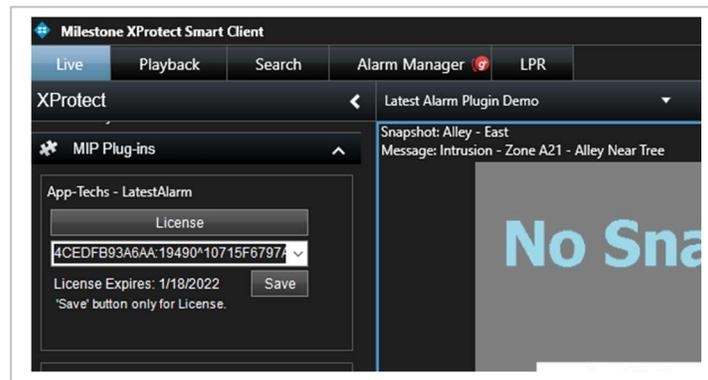
2.1. Licensing

The Latest Alarm™ Plug-in is **licensed per workstation**.

Contact App-Techs or a certified reseller to generate license keys for each of your Smart Client workstations.

License generation requires a MAC address for each workstation using Latest Alarm.

- To load a license key:
 - o Open the Smart Client ...
 - Go to Live Mode ...
 - And expand the left-side vertical panel / menu.
 - o In the MIPPlug-ins section of the panel ...
 - Paste the license key provide in the “App-Techs – LatestAlarm” field.
 - o After pasting-in the license key ...
 - Click the “License” Button to load the license.
 - Then click the “Save” button to activate the license.
 - o Close and restart the Smart Client.



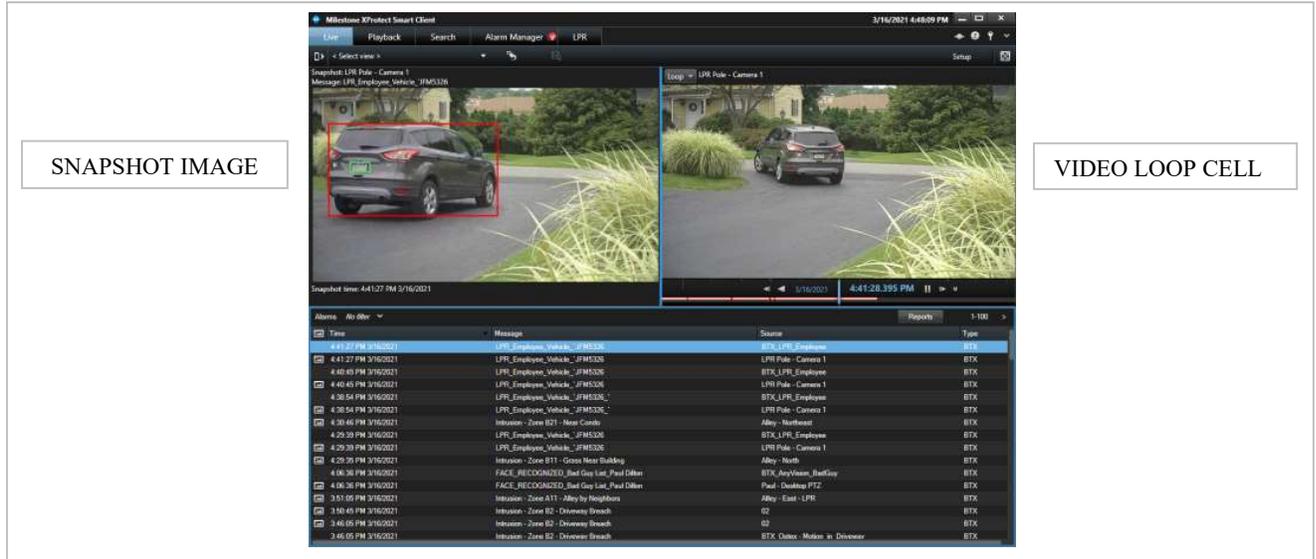
3. Latest Alarm Plug-In Interface Screenshots

3.1. Snapshot plus Video Loop

Below is a standard Smart Client live view which contains an instance of the “Latest Alarm” plug-in.

In this case, the plug-in occupies the top half of the Live “workspace”, and it reflects two basic features:

- A “Snapshot” on the left side.
- An auto-play / replay / looping “Video Loop” cell on the right.



3.1. Video Loop Only

Below is a standard Smart Client live view which contains an instance of the “Latest Alarm” plug-in.

In this case, the plug-in occupies the top half of the Live “workspace”, and it reflects one basic feature:

- An auto-play / replay / looping “Video Loop” cell on the right.

NO SNAPSHOT
IMAGE

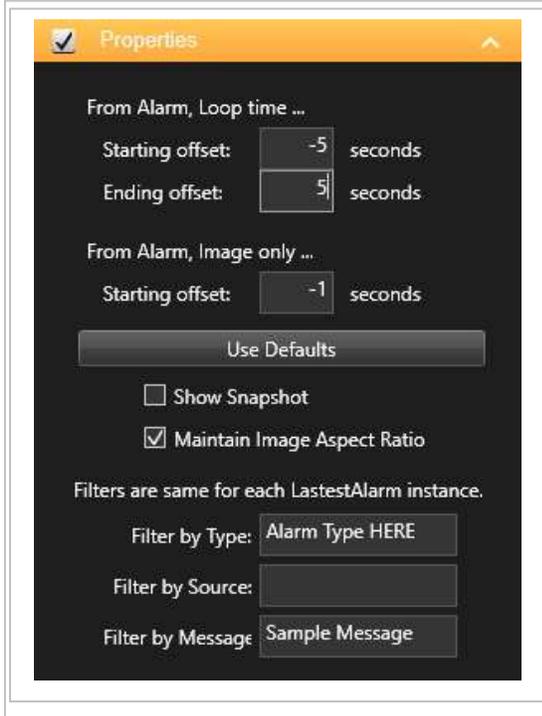


VIDEO LOOP CELL

Time	Message	Source	Type
4:41:27 PM 3/16/2021	LPR_Employee_Vehicle_#FMS306	BTX_LPR_Employee	BTX
4:41:27 PM 3/16/2021	LPR_Employee_Vehicle_#FMS306	LPR_Pole - Camera 1	BTX
4:40:45 PM 3/16/2021	LPR_Employee_Vehicle_#FMS306	BTX_LPR_Employee	BTX
4:40:45 PM 3/16/2021	LPR_Employee_Vehicle_#FMS306	LPR_Pole - Camera 1	BTX
4:38:54 PM 3/16/2021	LPR_Employee_Vehicle_#FMS306	BTX_LPR_Employee	BTX
4:38:54 PM 3/16/2021	LPR_Employee_Vehicle_#FMS306	LPR_Pole - Camera 1	BTX
4:30:46 PM 3/16/2021	Intrusion - Zone E21 - Near Camera	Alley - Backstreet	BTX
4:29:39 PM 3/16/2021	LPR_Employee_Vehicle_#FMS306	BTX_LPR_Employee	BTX
4:29:39 PM 3/16/2021	LPR_Employee_Vehicle_#FMS306	LPR_Pole - Camera 1	BTX
4:29:35 PM 3/16/2021	Intrusion - Zone B11 - Grass Near Building	Alley - North	BTX
4:06:36 PM 3/16/2021	FACE_RECOGNIZED_Bed Guy List_Paul Dillen	BTX_AnyVision_BedGuy	BTX
4:06:36 PM 3/16/2021	FACE_RECOGNIZED_Bed Guy List_Paul Dillen	Paul - Desktop PTZ	BTX
3:23:59 PM 3/16/2021	Intrusion - Zone B11 - Alley by Neighbors	Alley - East - LPR	BTX
3:50:45 PM 3/16/2021	Intrusion - Zone E2 - Driveway Breach	Q2	BTX
3:46:05 PM 3/16/2021	Intrusion - Zone E2 - Driveway Breach	Q2	BTX
3:46:05 PM 3/16/2021	Intrusion - Zone E2 - Driveway Breach	BTX_Outdoor - Motion in Driveway	BTX

4. Latest Alarm Configuration and Settings

4.1. Smart Client Configuration



Starting offset – Video loop will request video playback n seconds before the alarm arrival time.

Ending offset – Video loop end playback loop n seconds after the alarm arrival time.

Starting offset – Display image from n seconds before alarm time.

Show Snapshot – Toggle whether to display image snapshot feature alongside video loop. This feature can be used with third-party software or devices that input JPEG images in the XProtect alarm record.

Maintain Image Aspect Ratio – If checked, video loop will maintain the camera’s aspect ratio in the video loop cell. If unchecked, the video will be stretched to fill the entire cell.

Filter by Type – Video loop and image snapshots will only be triggered if the keyword entered can be found in the “Type” column in the XProtect alarm record. Exact match not required.

Filter by Source – Video loop and image snapshots will only be triggered if the keyword entered matches the XProtect device name, or “Source”, in the alarm record. Exact match not required.

Filter by Message – Video loop and image snapshots will only be triggered if the keyword can be found in the alarm message field. Exact match not required.

5. FAQ

4.1 How do I get a license for the Latest Alarm plugin?

- A. The Latest Alarm Plug-in is licensed per workstation, not per Milestone server. If you would like Latest Alarm to be used on several workstations across your Milestone system, then you will need to obtain a license for each device.
 - o App-Techs, or your authorized reseller will need the MAC address for each workstation where Latest Alarm will be deployed.

4.2 How are Latest Alarm settings saved?

- A. Latest Alarm settings are saved per each view you create. The settings in each view will be saved, even if the view is accessed by another licensed workstation.

4.3 My alarm records always display a “No Snapshot” message. Why can I not display a snapshot?

- A. Latest Alarm is designed to display JPEG images that are embedded into the Milestone alarm record by third-party devices and software. If you are not using a third-party application that provides images as part of the Milestone record, then you should just toggle the “Show Snapshot” to off in the settings menu.

6. Legal

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6.2. Surveillance Privacy

Always use discretion when installing video and / or surveillance equipment especially when there is perceived privacy, or an expectation of privacy. Inquire regarding federal, state and / or local regulation applicable to the lawful installation of video and / or audio recording or surveillance equipment. Party consent may be required.

6.3. Disclaimer

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