# Honeywell

# Honeywell Camera Manager Plugin for Milestone XProtect

1.0.5.0

**User Guide** 

### **Revisions**

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23-07-2025	New document (1.0.5.0)

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**CHAPTER** 

# 1

# ABOUT THIS GUIDE

#### Introduction

This guide explains the usage of Honeywell Camera Plugins for Milestone XProtect applications including its installation and configuration.

Please read this manual carefully before using the Plugin for proper use.

- 1. This document explains how to use the Plugins.
- 2. The content in this document is subject to change depending on the Plugin software updates and company policies and to partial changes without prior notification to users.

# **Target Audience**

This manual is intended for security installers or operators to provide ample information and to make best use of Honeywell Camera Plugins with Milestone XProtect.

Please refer to the official Milestone website (www.milestonesys.com) for more information on how to install and set up the Milestone XProtect program.

# **Plugin Usage**

Users of this Plugin can perform the following functions:

- Import Honeywell cameras in bulk
- Update Honeywell cameras configurations in bulk
- Camera Web view for advanced operations
- Enable and use camera control
- Enable and use metadata search
- Enable and use fisheye dewarping

# 2

# INTRODUCTION

# **Introduction to Honeywell Camera Plugins**

# Administrators can perform the following on the Milestone XProtect Management Client

- Import camera using password protected Excel file
- Edit the camera configurations in bulk
- Open the web view of cameras within the application
- Configure the camera control settings
- Configure the metadata search settings

#### Operators can perform the following on XProtect Smart Client:

- View and perform the surveillance operations on cameras
- View and search metadata from cameras
- 360 Degree Fisheye Dewarping

# INSTALLATION

#### **Pre-requisites**

Ensure below XProtect software are already installed in the PC.

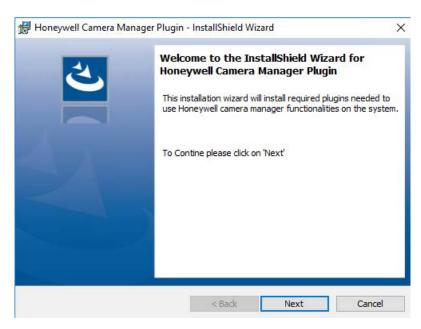
- XProtect Management Client
- XProtect Smart Client

Please refer to the official Milestone website (www.milestonesys.com) for more information on how to install and set up the Milestone XProtect program.

# **Installing Honeywell Camera Manager**

To install Honeywell Camera Manager plugin on the XProtect, perform the below steps.

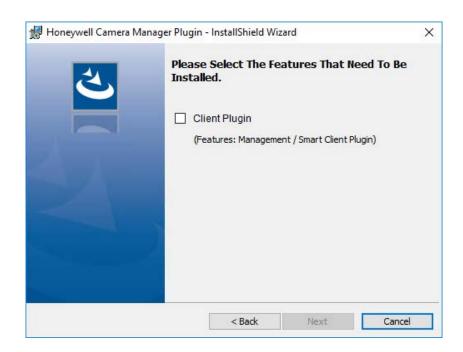
1. In the saved folder, right click on the Honeywell Camera Manager plugin and then choose **Run as Administrator**, the below screen is displayed.



2. Click **Next**. The **Honeywell End User License Agreement** window displays as shown below.

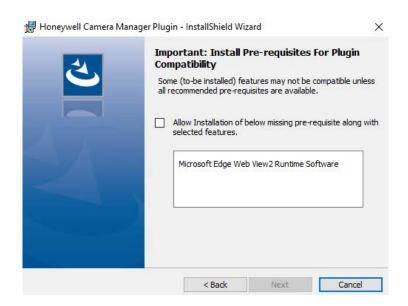


3. Click I accept the terms in the License Agreement option and then click **Next**. The **Client Plugin** window appears as shown below.

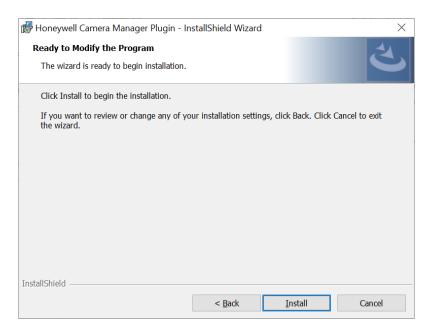


4. Enable the Client Plugin check box and then click Next.

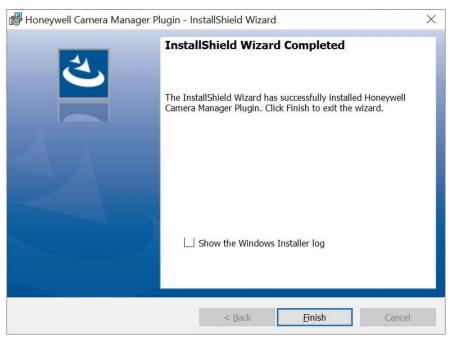
**Note:** Honeywell Camera Manager Plugin needs "Microsoft Edge WebView2 Runtime" for Web View functionality and if it is not found on the XProtect Management Client machine, it will be installed in that machine by the installer.



5. Click **Next**. the installation screen is displayed as shown below.



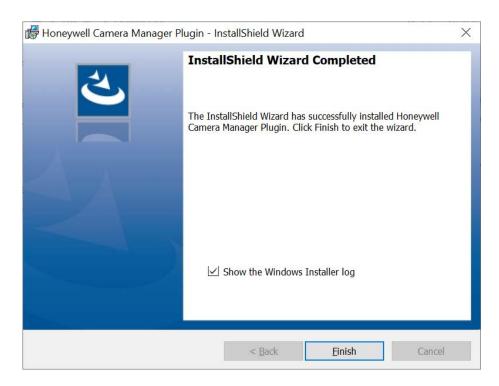
6. Click **Install**. The installation proceeds and once completed the below is screen is displayed.



7. Click Finish.

#### To View the Installation Logs

• To view the installation logs, click the Show the Windows Installer log check box.



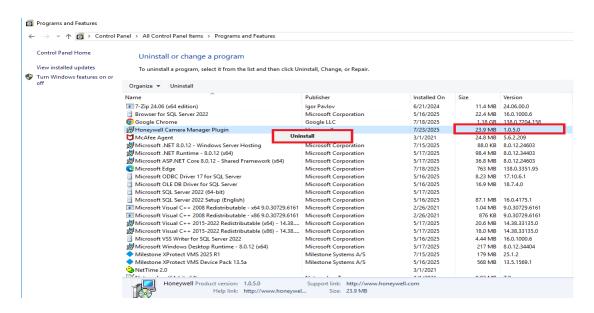
The detailed installation logs are displayed as shown below.

```
HONMilestone - Notepad
                                                                                                             П
=== Verbose logging started: 6/17/2025 0:20:52 Build type: SHIP UNICODE 5.00.10011.00 Calling process: C:\Window 🗛
MSI (c) (9C:80) [00:20:52:694]: Font created. Charset: Req=0, Ret=0, Font: Req=MS Shell Dlg, Ret=MS Shell Dlg
MSI (c) (9C:80) [00:20:52:694]: Font created. Charset: Req=0, Ret=0, Font: Req=MS Shell Dlg, Ret=MS Shell Dlg
MSI (c) (9C:30) [00:20:52:710]: Resetting cached policy values
MSI (c) (9C:30) [00:20:52:710]: Machine policy value 'Debug' is 0 MSI (c) (9C:30) [00:20:52:710]: ******* RunEngine:
           ******* Product: C:\Users\ADMINI~1\AppData\Local\Temp\{CDBBED3E-B4E6-4F19-B828-595CB2A9227E}\Honeywell C
           ***** Action:
           ****** CommandLine: *******
MSI (c) (9C:30) [00:20:52:710]: Machine policy value 'DisableUserInstalls' is 0
MSI (c) (9C:30) [00:20:52:725]: Cloaking enabled.
MSI (c) (9C:30)
                [00:20:52:725]: Attempting to enable all disabled privileges before calling Install on Server
MSI (c) (9C:30)
                [00:20:52:725]: End dialog not enabled
                MSI (c) (9C:30)
                [00:20:52:725]: Package we're running from ==> C:\windows\Installer\24b40952.msi
[00:20:52:725]: APPCOMPAT: Uninstall Flags override found.
MSI (c) (9C:30)
MSI (c) (9C:30)
MSI (c) (9C:30)
                [00:20:52:725]: APPCOMPAT: Uninstall VersionNT override found.
MSI (c) (9C:30)
                [00:20:52:725]: APPCOMPAT: Uninstall ServicePackLevel override found.
                [00:20:52:725]: APPCOMPAT: looking for appcompat database entry with ProductCode '{0816F8F3-21C9-4A
MSI (c) (9C:30)
MSI (c) (9C:30)
                [00:20:52:725]: APPCOMPAT: no matching ProductCode found in database.
                [00:20:52:741]: MSCOREE not loaded loading copy from system32
                                                                  Ln 1, Col 1
                                                                                   100% Windows (CRLF)
                                                                                                        UTF-16 LE
```

# **Uninstalling Honeywell Camera Manager**

To uninstall the Honeywell Camera Manager Plugin from the PC

1. Go to Control Panel > Programs and select the Honeywell Camera Manager Plugin application as shown below.



2. Click **Uninstall**. Follow the on screen instructions to uninstall the plugin.

**CHAPTER** 

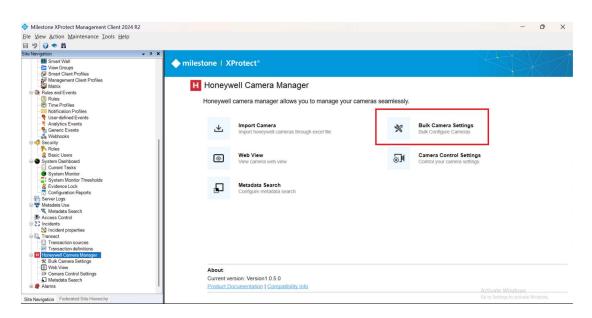
4

# **BULK CAMERA CONFIGURATIONS**

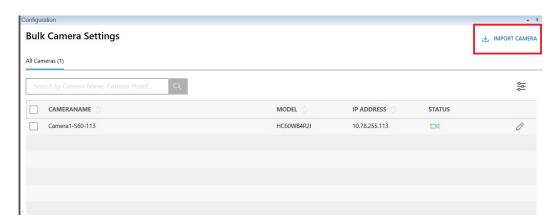
# **Importing Cameras**

Under Honeywell Camera Manager, click **Bulk Camera Settings** node. The Bulk Camera settings are displayed on the right pane.

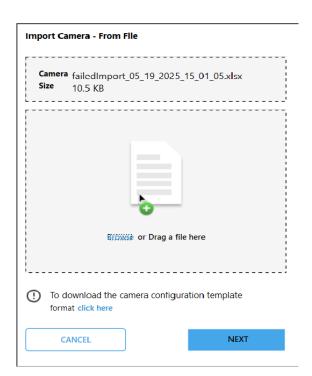
1. In Honeywell Camera Manager, click Bulk Camera Settings as shown below.



• The Bulk Camera Settings configuration page is displayed on the right pane.

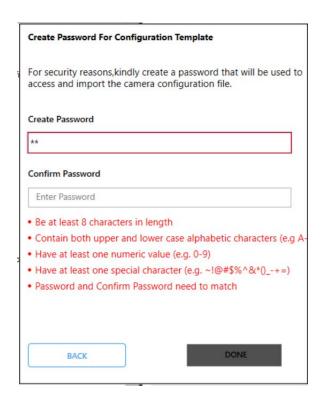


2. Click **Import Camera** link. The Import Camera dialog box is displayed as shown below.



- Click Browse to locate the Excel template file (OR) Drag the File directly into the screen to add.
- 3. User can also download the camera configuration template format to fill the details. Click the **click here** link to download the template. The password should meet the below criteria:
  - Be at least 8 characters in length
  - Contain both lower and upper case alphabetic characters (e.g A-Z, a-z)
  - Have at least one numeric value (e.g 0-9)

- Have at least one special character (!@#\$%6&\*()\_-+=)
- Password and Confirm Password need to match

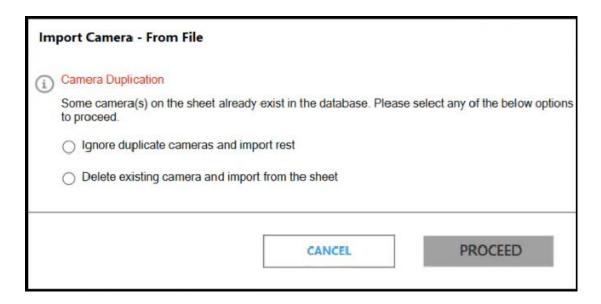


4. Click **Done**. The below screen is displayed.

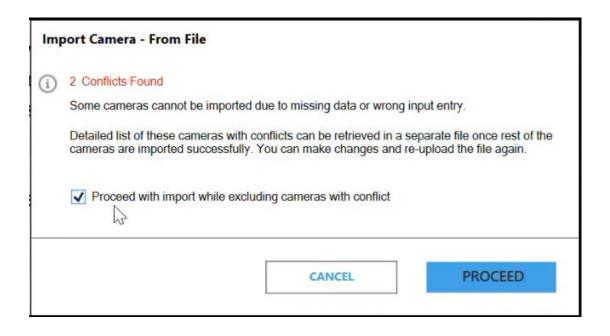


4. Type the password in **Password Protected** box and then click the **PROCEED** button. If there are any duplicate camerasare found then the below confirmation box is displayed.

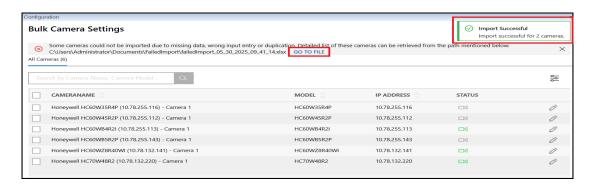
**Note:** Handling the Excel Files for Bulk Import/Export Securely handle the exported Excel file and do not disclose to any unauthorized persons. Even though it is password-protected, the password can be compromised by brute-force attack.



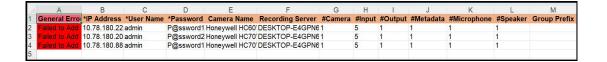
5. User can select the required option to import the Cameras from the sheet and then click **PROCEED**. If there are any conflicts in the data entered then the below confirmation box is displayed.



6. Read the conflicts, select the check box and then click **PROCEED**. The Import Camera in progress message appears. Once the cameras in the excel are successfully imported, a popup **Import Successful for # Cameras** is displayed at the top right corner of the screen.

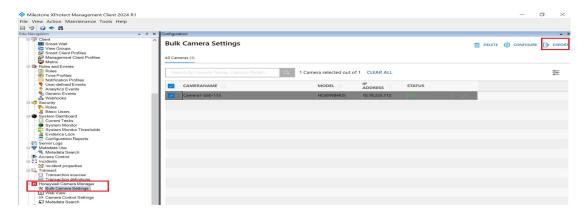


 Once the files is imported, a message displays that the file is generated with details if necessary data is missing or there are wrong inputs or same cameras already available in database. User can click GO TO FILE link to view the details.

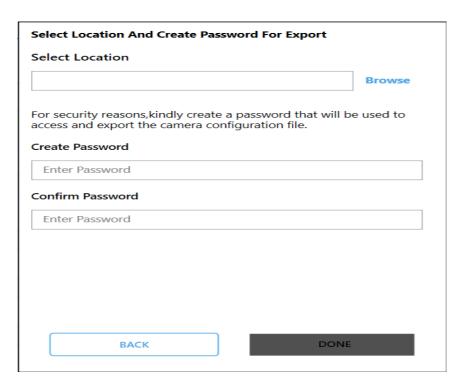


# **Exporting Cameras**

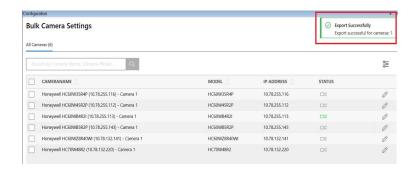
1. Under Honeywell Camera Manager, click **Bulk Camera Settings** node. The Bulk Camera settings are displayed on the right pane.



2. Select the required cameras and then click on **Export** link on the top right corner of the screen. The Select **Location and Create Password for Export** dialog box is displayed.

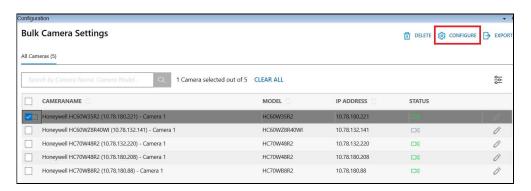


- 3. Browse the location to save the file.
- 4. Create and Confirm the Password to protect.
- 5. Click **Done**. The **Export Successful for # cameras** pop-up appears on the top right corner of the screen.

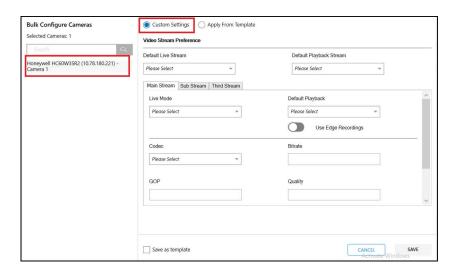


# **Updating Camera Configurations**

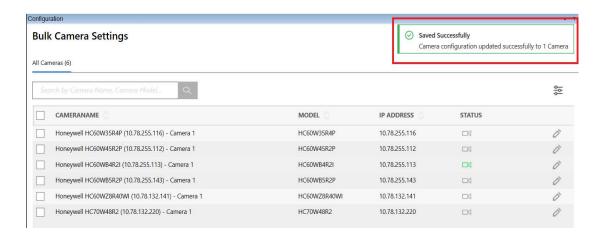
1. Under Honeywell Camera Manager, click **Bulk Camera Settings** node. The Bulk Camera Settings screen is displayed.



- 2. Select the required cameras check boxes and then click the **Configure** option.
- 3. Select any one of the camera model and click continue, the **Custom Settings** screen is displayed as shown below.

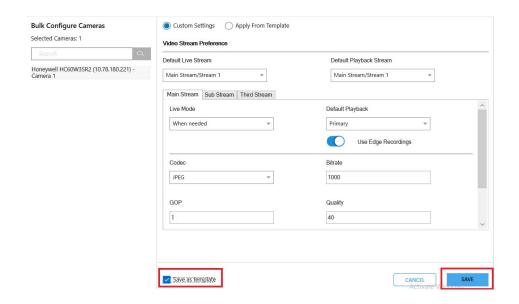


- 4. Customize the details for Video Stream Preferences, and configure the Main Stream, Sub Stream and Third Stream as per the requirements.
- 5. Click **Save**. The pop-up **Camera Configuration Updated Successfully** appears on the top right corner of the screen.



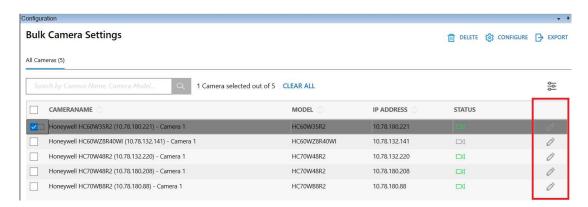
#### To Save the Configuration as a Template

• Click the **Save as Template** check box as highlighted in the below screen, if you want to save the configuration as a template for future use.

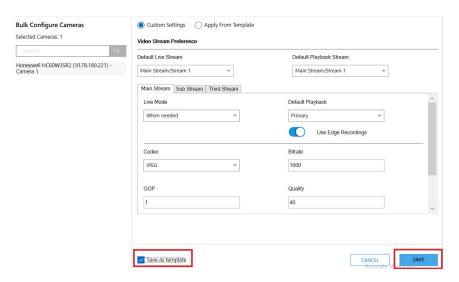


#### How to Edit Camera Settings and Save as a Template

1. In Bulk camera settings window, select the required camera.



- 2. Click **Edit** icon. The Custom Setting screen is displayed.
- 3. Edit or configure the required parameters as shown below.

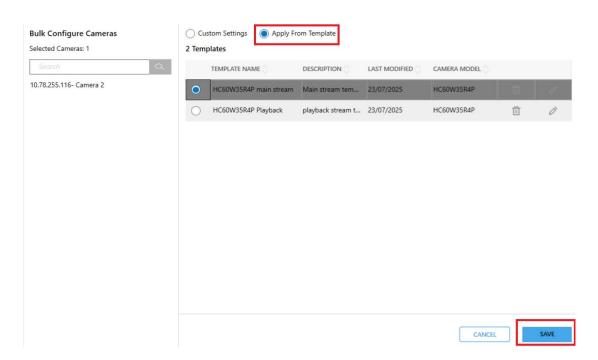


Apart from configuring the video stream preference user can also customize the Recording Preferences. The video stream preferences are as follows:

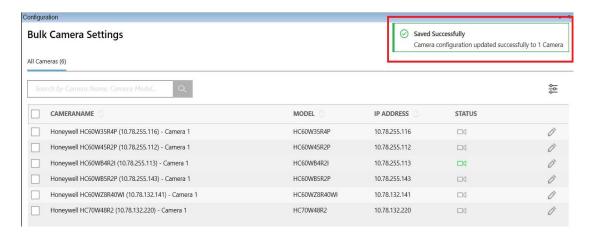
Default Live Stream	Default Playback Stream
Live Mode	Default Playback
Codec	Bitrate
GOP	Quality

4. Select the **Save as Template** check box as highlighted above if you want to save the configuration as a template for future use.

5. User can also use the Apply from Template tab to configure the cameras in bulk as shown below.



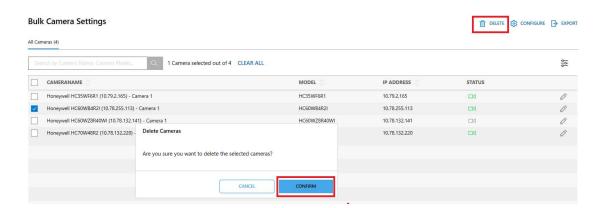
6. Click **Save**, a pop-up message **Camera Configuration Updated Successfully** appears on the top right corner of the screen.



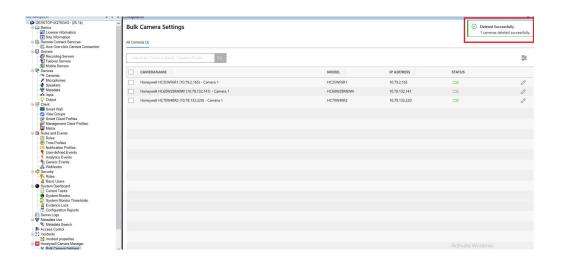
**Note:** User can cross verify the configuration changes under configuration settings.

# **Deleting Cameras**

1. In Bulk Camera settings page, select the camera and Click **Delete**, the confirmation dialog box appears as shown below.



2. Click **CONFIRM**. The **#cameras deleted sucessfully** pop-up appears on the top right corner of the screen as shown below.



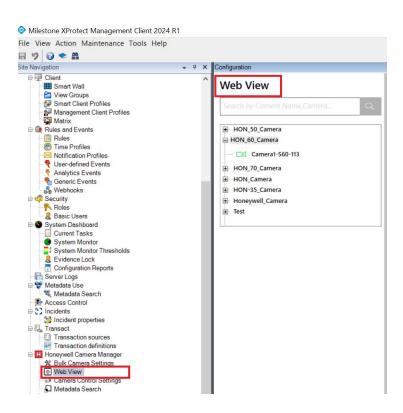
# ADVANCE CAMERA CONTROLS

#### **Web View**

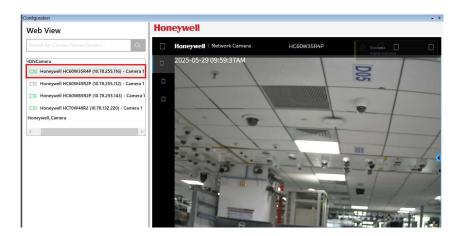
This feature allows the user to view the web page of a camera in a single click. This feature comes with inbuilt capability to auto login and user don't have to enter any camera credentials.

#### **How to View a Camera Web Page**

1. In the Milestone XProtect Management Client navigate to Honeywell Camera Manager and click on **Web View** tab the list the of cameras are displayed as shown below.



2. Click on the required camera from the camera list. The specific camera web page is displayed on the right pane as shown below.

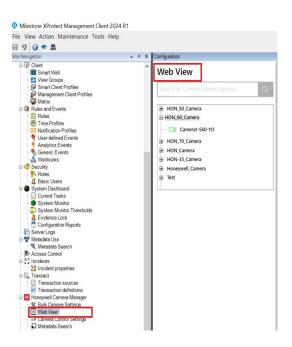


#### **Searching a Camera**

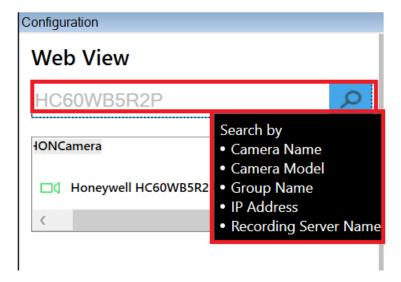
User can search the cameras with IP Address, Camera Name or Server Name in the search bar.

#### **How to Search a Camera**

1. In the Milestone XProtect Management Client navigate to Honeywell Camera Manger and click on **Web View** tab the list of cameras are displayed as shown below.



2. In the search box, type the IP Address, Camera Name or Server Name. The corresponding cameras are displayed in the list as shown below.

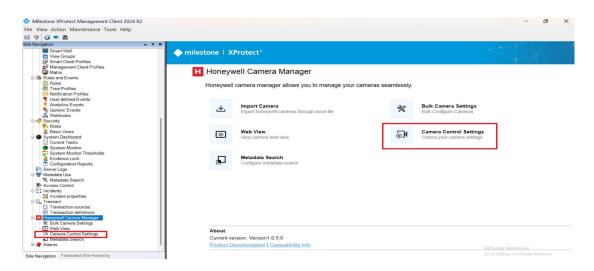


#### **Camera Control Settings**

This feature allows to control the functionalities or features which are used in the XProtect Smart Client. Camera control settings includes Video Panel Control and Plugin Camera Control. User can enable it to use these functionalities in the XProtect Smart Client.

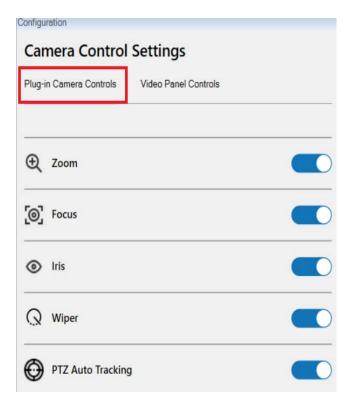
#### **How to Configure the Camera Control Settings**

1. In the Honeywell Camera Manger screen, click the **Camera Control Settings** option as shown below.

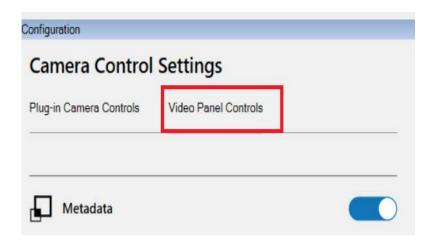


The Configuration box is displayed.

2. Under **Plugin Camera Controls**, enable the camera control commands button as shown below.



3. Under Video Panel Control, enable the Metadata button.



# **Metadata Search Settings**

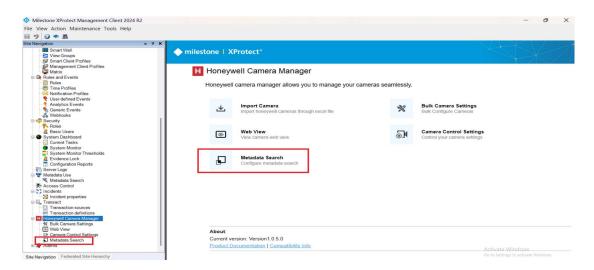
#### Introduction

This allows the user to configure the following options to use in Milestone XProtect Smart Client application.

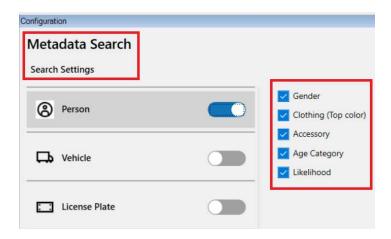
- Person Search
- Vehicle Search
- License Plate Search

#### **How to Configure the Metadata Search Settings**

1. In the Honeywell Camera Manager screen, go to **Metadata Search** Settings as shown below.



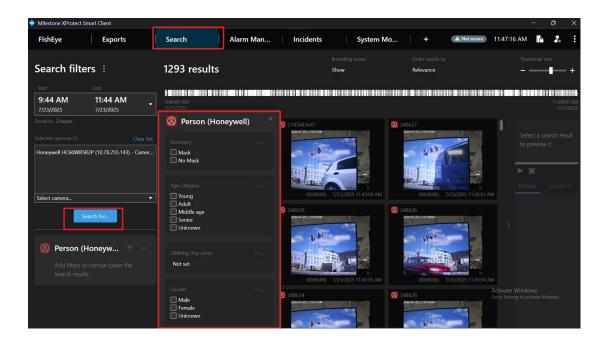
2. Click **Metadata Search** Setting, the Configuration box is displayed.



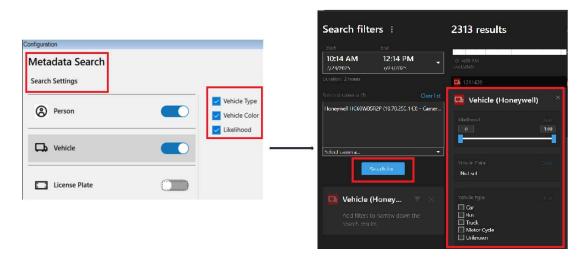
3. Move the toggle buttons to enable and select the required parameters to view the search options in XProtect Smart Client as shown below.

**Note:** Restart the Smart Client application once to view the changes.

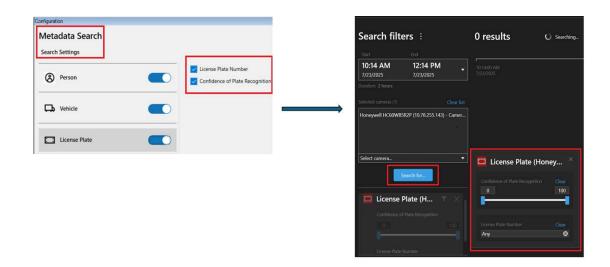
#### **For Person Search**



#### For Vehicle Search



#### For License Plate Search



CHAPTER

# XPROTECT SMART CLIENT PLUGIN FEATURES

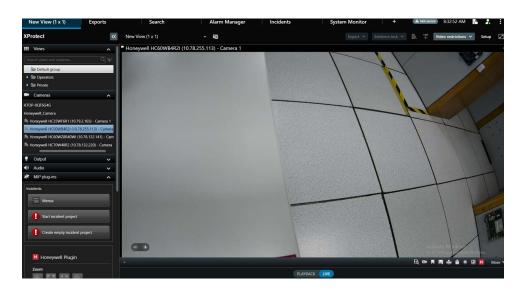
#### **Video Controls**

The Milestone XProtect Smart Client allows you to perform the following with Honeywell cameras:

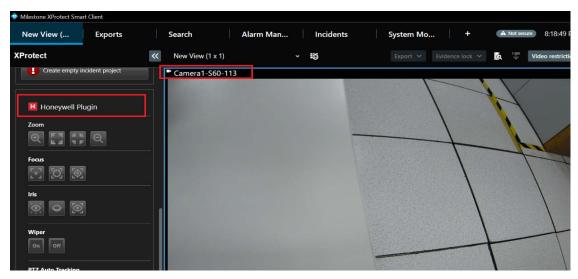
- To view the live and playback video
- To perform Surveillance operations
- To search and view the Video analytics features based on the camera

#### **How to View the Honeywell Cameras in Smart Client**

- 1. Go to Milestone XProtect Smart Client dashboard > New View.
- 2. In the left pane, navigate to Honeywell Cameras. Select the required camera from the list as shown below.



3. Drag and drop the camera on the right video panel. The Honeywell Plugin commands are enabled in the live view when the Honeywell camera is selected on the main screen as shown below.



4. Perform the required surveillance operations as explained in the below table.



Icon	Description	
	Auto Iris	
Wiper		
On	Wiper On	
Off	Wiper Off	
PTZ Auto Tracking		
	Auto Tracking	

# **Bounding Box Display**

If the **Metadata** options are configured then the User can view the **Bounding Boxes** in the video when an object is detected as shown in the below figure.

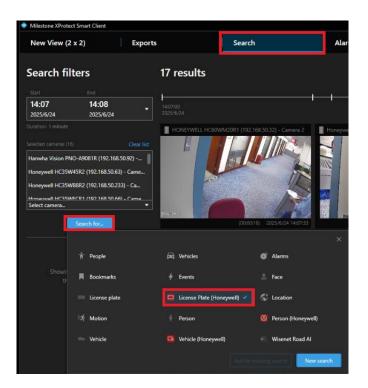


**CHAPTER** 

# METADATA SEARCH SETTINGS

#### **License Plate Search**

- 1. Go to Milestone XProtect Smart Client and then click the **Search** tab.
- 2. Under Search tab, select the required Honeywell camera and then click the **Search For** button. The supported Analytics are displayed for a camera.
- 3. Select the License Plate option and then click on New Search as shown below.

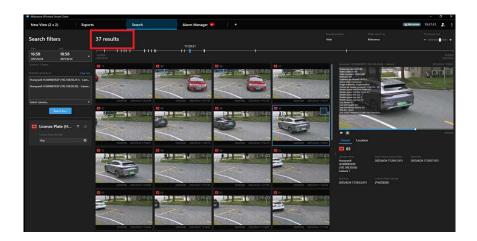


The License Plate filter dialog box appears as shown below.



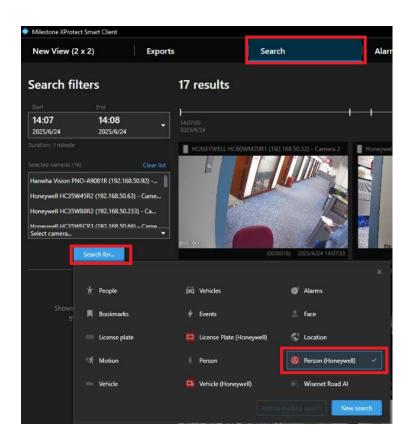
- 4. Set the required below parameter for license plate.
  - License Plate Number

Once the parameters are set, user can view analytics in the video as shown in the below figure. The number of search results are displayed on top left corner of the screen.

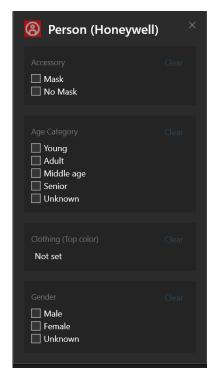


#### **Person Search**

- 1. Go to Milestone XProtect Smart Client and then click the **Search** tab.
- 2. Under Search tab, select the required Honeywell camera and then click the **Search For** button. The supported Analytics are displayed for a camera.
- 3. Select the **Person Search** option and then click on **New Search** as shown below



The Person Search filter dialog box appears as shown below.



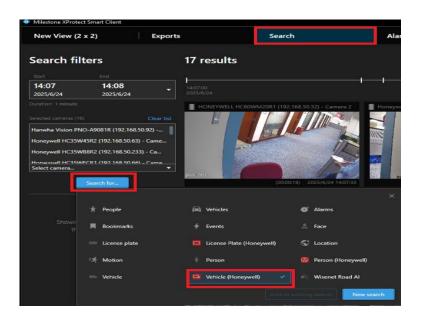
- 4. Set the required below parameters for Person Search.
  - Accessory
  - Age Category
  - Clothing (Top color)
  - Gender

Once the parameters are set, user can view analytics in the video as shown in the below figure. The number of search results are displayed on top left corner of the screen.



#### **Vehicle Search**

- 1. Go to Milestone XProtect Smart Client and then click the **Search** tab.
- 2. Under Search tab, select the required Honeywell camera and then click the **Search For** button. The supported Analytics are displayed for a camera.
- 3. Select the **Vehicle Search** option and then click on **New Search** as shown below.

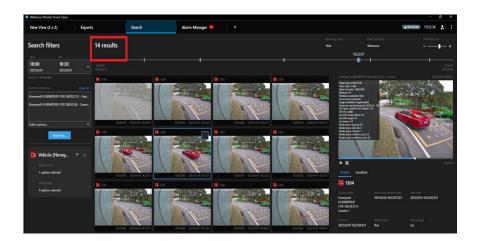


The Vehicle Search filter dialog box appears as shown below.



- 4. Set the required below parameters for Vehicle Search.
  - Vehicle Color
  - Vehicle Type

Once the parameters are set, user can view analytics in the video as shown in the below figure. The number of search results are displayed on top left corner of the screen.



# CHAPTER

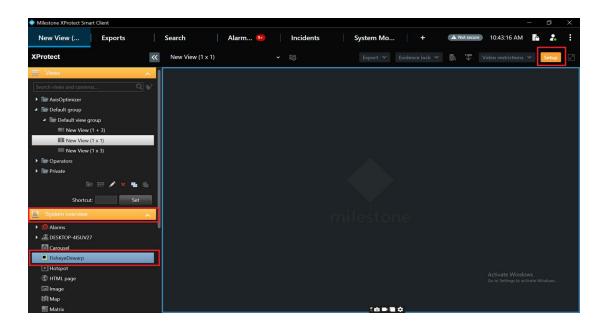
# FISHEYE DEWARPING

Note: This feature can be used on XProtect Smart Client machines which has GPU.

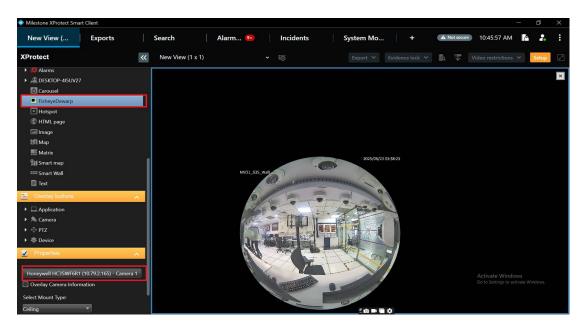
If the camera supports the Fisheye function, set the Fisheye mode to the original mode before using the plugin.

#### **How to Configure the Fisheye Dewarping**

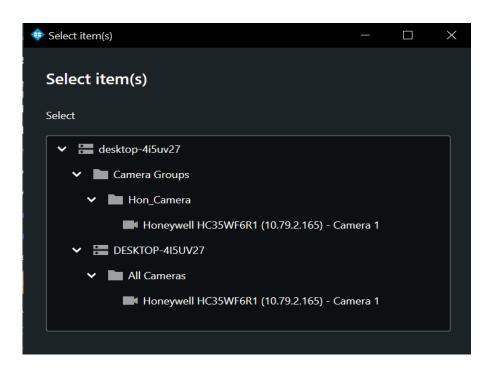
- 1. Start the XProtect Smart Client.
- 2. On the Live View window, click on **Setup**.
- 3. In the Setup window, the **Fisheye Dewarp** plugin can be found in the System Overview pane.



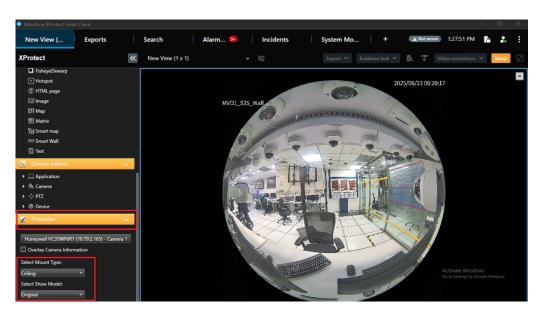
4. Click and drag Fisheye Dewarp Plugin into the view cell. After completion, there is an X icon in the upper right corner of the view cell, and parameter settings are added to the property pane in the lower left corner.



5. Under properties, click on cameras and then select the required camera from the drop-down list as shown below.

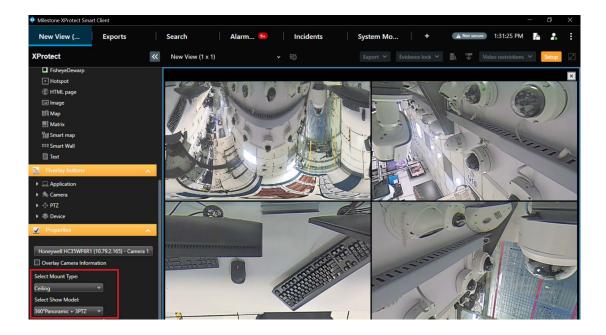


6. Select camera and then select the camera **Mount Type** as **Ceiling** and **Show Mode**l type as **Original** in the properties as shown below.

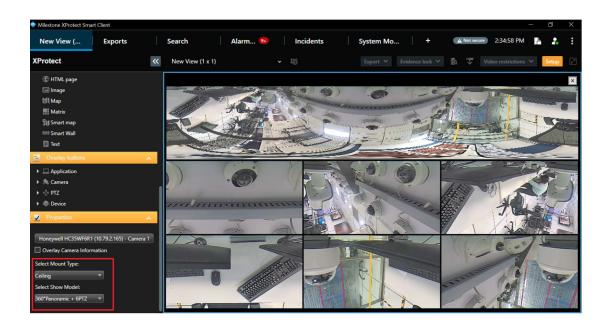


Please refer to the Plugin supported capabilities

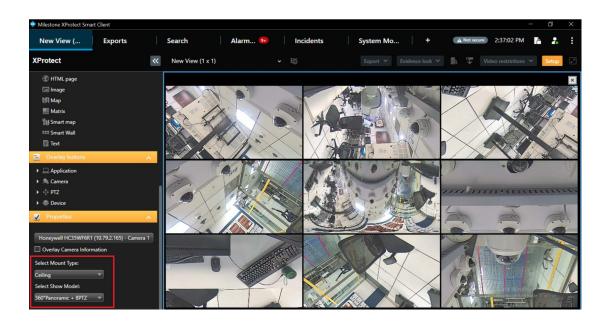
- 7. **PTZ Control:** User can press and hold the mouse button to slide and to adjust the angle of view. User can also zoom in/out to view the display.
- For Panoramic model 360° + 3PTZ:



For Panoramic model 360°+ 6PTZ:



• For Panoramic model 360° + 8PTZ:



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