

ALARMVISION® DRIVER - AXIS®

Installation Guide

This product allows Axis® cameras to use AlarmVision® technology by communicating directly with a DMP control panel. This process is completed on a per camera basis. The driver file is only downloaded once, and you are automatically invoiced by DMP for the cost of each driver activation. To install the driver, follow the steps below.

 **Note:** This driver is only supported on cameras with AXIS OS 11.8 to 11.11 and System-on-Chip (SoC) options listed in *Table 1* in [Step 3: Identify Camera SOC](#).

REQUIRED FOR INSTALLATION

To install the driver, confirm that you have access to the following:

- An active Dealer Admin account at dealer.securecomwireless.com to enable the Axis Alarmvision Driver.
- The Serial Number/MAC Address of the camera (available on the box or on the camera).
- The Axis IP Utility application (Windows only) or another MAC scanner application (multiple available online).

As you complete the installation, it is recommended to write down relevant camera and panel information in the fields below to reference as you program in different applications.

Camera Serial Number/MAC Address: _____

Camera IP Address: _____

Panel MAC Address: _____

Panel Device & Zone Numbers: _____

Camera Firmware: _____

STEP 1: CONFIGURE CAMERA ANALYTICS

1. Install the Axis® camera and connect it to the network.
2. Locate the camera **Serial Number** on the box or on the camera.
3. Using the **Axis IP Utility** (Windows only) or another MAC scanner application, enter in the network connected camera's **Serial Number** in the MAC Address field to find the camera's IP Address.
4. Enter the camera's **IP Address** into the browser URL field to access the camera's web UI.
5. Create a new username and password for your device or enter the username and password you set previously.
 - To update your password, navigate to **System > Accounts**. In **Accounts**, select the **More** icon and select **Update Account**.
6. Navigate to **Maintenance** in the left-hand menu.
7. In **AXIS OS upgrade**, locate the **Current Version** firmware and write it next to **Camera Firmware** above.
 - If the camera is using AXIS OS 11.12 or above, return to a compatible firmware (11.8-11.11) in **AXIS OS rollback**. To roll back to the previously installed firmware version, select **Roll back**. A pop-up appears asking if you want to roll back to the previously installed version. Confirm you want to **Roll back**.
8. Navigate to **Analytics** in the left-hand menu, then select **AXIS Object Analytics**.
9. In **AXIS Object Analytics**, select **Start** the first time you interact with the application. In future interactions, select **Open**. A new tab will open.
10. Select **New Scenario**.
11. Select an **Option**. To learn more about the Axis analytic options, visit the following link: <https://www.axis.com/products/> Select **Next**.
12. Select the objects you want to detect. Select **Next**.
13. Rename the scenario by selecting the pencil icon at the top.
14. Configure the scenario.
15. Select **Finish**. Repeat the process for every new scenario.

STEP 2: SET UP DEVICE TYPE AND ZONES IN DEALER ADMIN

1. Log in to **Dealer Admin** (dealer.securecomwireless.com).
2. Go to **Customers**.
3. Navigate to the system the camera is going to be associated with. Select **Edit**.
4. In **Video**, enable **AlarmVision® Driver**.

 **Note:** By enabling **AlarmVision® Driver**, you are activating a recurring monthly fee which is invoiced to the associated Dealer Admin Account.

5. Select **Save**.
6. Navigate to **Programming**.
7. In **Device Setup**, select **+ Add Device**.
8. Set the **Device Number**. The device number cannot be 1.
9. Name the device, and set the **Device Type** to **Camera**.
10. Enter the **Serial Number** of the camera.

 **Note:** Once the **Serial Number** of the Axis device is saved in **Device Setup**, you are invoiced an initial cost for this feature. This cost is on a per camera basis.

11. In **Zone Information**, select **+ Add Zone**.
12. Set the **Zone Number**.
 - When setting zone numbers, select zones that correspond with the device number you set previously. See the tables below.
13. Name the zone and set the **Zone Type**. The Zone Type can be set to any type of zone. Repeat this process for up to 4 zones.
14. When a zone can correspond with a camera device type, **AlarmVision® Zone** appears. Toggle it **ON**.
15. To add additional cameras, repeat steps 7 through 14.
16. Select **Send All Changes**.

KEYPAD BUS		
DMP PANEL	DEVICE	ZONES
XT75 and XR Series Control Panels	2	21-24
	3	31-34
	4	41-44
	5	51-54
	6	61-64
	7	71-74
	8	81-84
	9	91-94
XR550 Control Panels	10	101-104
	11	111-114
	12	121-124
	13	131-134
	14	141-144
	15	151-154
	16	161-164

Table 1: Keypad Bus Addresses

LX BUS					
DEVICE	XR550				
	LX500	LX600	LX700	LX800	LX900
01	501-504	601-604	701-704	801-804	901-904
05	505-508	605-608	705-708	805-808	905-908
09	509-512	609-612	709-712	809-812	909-912
13	513-516	613-616	713-716	813-816	913-916
17	517-520	617-620	717-720	817-820	917-920
21	521-524	621-624	721-724	821-824	921-924
25	525-528	625-628	725-728	825-828	925-928
29	529-532	629-632	729-732	829-832	929-932
33	533-536	633-636	733-736	833-836	933-936
37	537-540	637-640	737-740	837-840	937-940
41	541-544	641-644	741-744	841-844	941-944
45	545-548	645-648	745-748	845-848	945-948
49	549-552	649-652	749-752	849-852	949-952
53	553-556	653-656	753-756	853-856	953-956
57	557-560	657-660	757-760	857-860	957-960
61	561-564	661-664	761-764	861-864	961-964

Table 2: LX-Bus Addresses

STEP 3: IDENTIFY CAMERA SOC

This driver is supported on cameras with AXIS OS 11.8 to 11.11 and System-on-Chip (SoC) options listed in *Table 3*.

1. Navigate to the **Axis® Product Selector Tool** using this link: <https://www.axis.com/support/tools/product-selector>
2. In **Products**, enter the camera model name in the search bar.
3. Select the name of the camera from the options that display. A spec page opens for the camera.
4. In **Hardware Platform**, locate **Model**. Find the **SoC**.
5. Using the SoC, identify the corresponding **Architecture** in *Table 3*.



Note: The camera architecture is what determines which file should be downloaded from Dealer Admin in [Step 4: Download the Driver File](#).

SYSTEM-ON-CHIP (SOC)	ARCHITECTURE
ARTPECT-6	armv7hf
ARTPECT-7	armv7hf
ARTPECT-8	aarch64
ARTPECT-9	aarch64
CV25	aarch64
i.MX 6SoloX	armv7hf

Table 3: Axis Camera SoC and Architecture

STEP 4: DOWNLOAD THE DRIVER FILE

1. In **Dealer Admin**, select **Resources** in the left-hand menu.
2. In the drop-down, select **Downloads**.
3. Locate the file named **AlarmVision Driver** that corresponds to your camera's Architecture. See *Table 3*.
4. Select **Download**. The file downloads to your computer or browser.

STEP 5: INSTALL THE ALARMVISION® DRIVER

1. Return to the camera's web UI.
2. Locate **Apps** in the left-hand menu.
3. Select **Add App**. The **Install an app** pop-up appears.
4. Select the box in the pop-up and locate the **AlarmVision® Driver** file. Double click the file to select it, or drag the file into the pop-up.
5. Select **Install**.

STEP 6: CONFIGURE THE ALARMVISION® DRIVER

1. In **Apps**, find the newly installed driver. Ensure the toggle is turned **ON**.
2. Select **Open**. The **DMP AlarmVision® Local Configuration Tool** tab opens. Select **Enable Integration**.
3. To auto discover your panel, select **Auto Discover Panel**, and fill in the **Panel MAC Address** found on the sticker on the panel PCB.
 - If it is not being auto discovered, type in your **Panel IP Address**, available in Dealer Admin Panel Programming, in **Network Options**.
4. Enter your **Panel Account Number**, available in Dealer Admin Panel Programming, in **Communication**.
5. Select the **Panel Device Number** drop-down. Locate your system.
6. Select the device number and corresponding zones set up in **Step 2: Set Up Device type and Zones in Dealer Admin**.
7. In **Panel Zone and Camera Event Configuration**, select **New Mapping**. The **Panel Zone & Camera Event** pop-up appears.
 - The **Panel Zone & Camera Event** pop-up window allows you to connect panel zones to the AXIS Object Analytics scenario created in the camera UI in **Step 1: Configure Camera Analytics**. When the scenario is activated, the connected panel zone trips, initiating an alarm.
8. In **Zone**, select one of the zone numbers associated with the device.
9. In **Camera Event**, select the scenario set in **Step 1: Configure Camera Analytics** that you want to correspond to the zone.

 **Note:** After a **Zone** and **Camera Event** are added, they cannot be edited. Instead, select the pencil icon next to the camera event and select **Delete** to delete, then add the information again.

10. Select **Save**.