

## Installing Axis Cameras for Use With Eagle Eye Camera Direct

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### Target Audience

This Application Note is intended for installers and technicians who install Axis cameras and want to use the Eagle Eye Camera Direct solution on-site for the Eagle Eye Cloud VMS.

### Introduction

Using Eagle Eye Camera Direct, you can add your supported Axis cameras to the Eagle Eye Cloud VMS without needing a Bridge or CMVR. Connect your camera to a network with internet access, link it to the Cloud VMS using its MAC address and OAK (Owner Authentication Key), and it will be ready to stream. With Camera Direct for Axis cameras, you can stream, record video, get alerts, and search AI events using the Smart video search.

### Supported Axis Camera Models

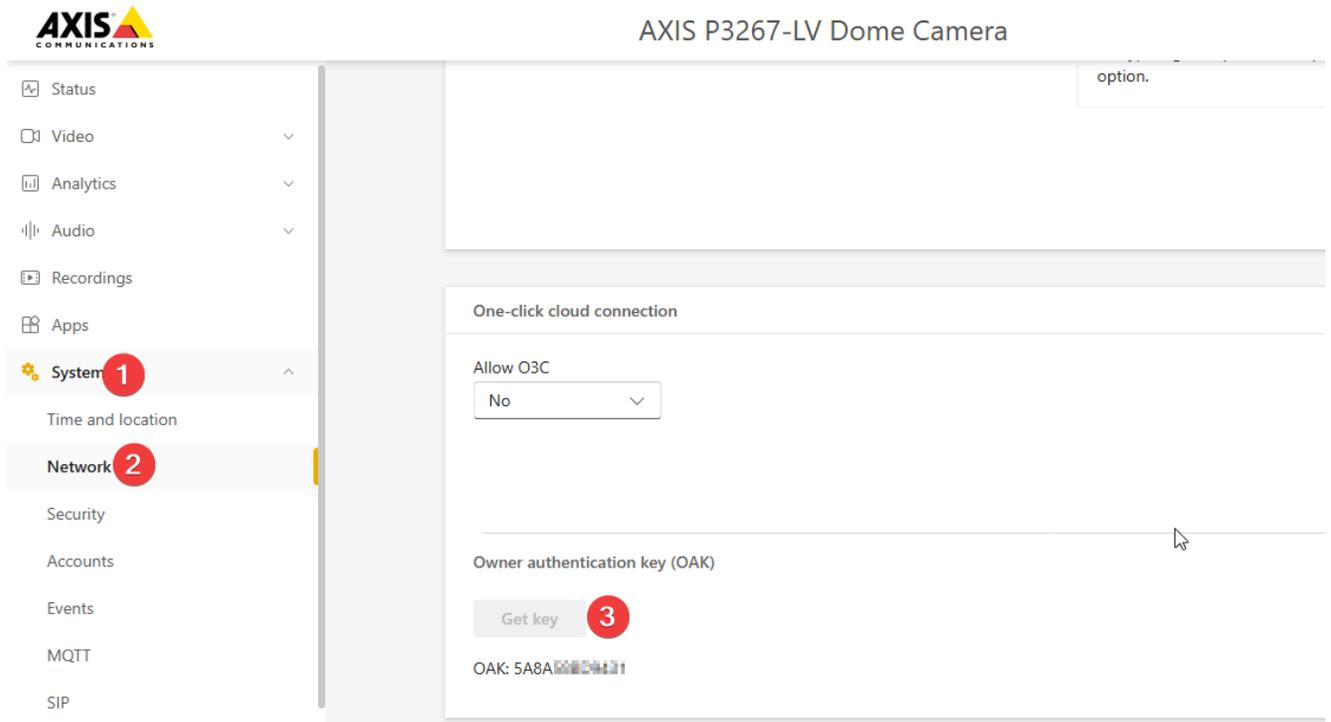
Note that Eagle Eye Camera Direct support requires Axis OS 11.8 or above. You can check camera compatibility with the [Axis Product Selector](#) or [our support document](#) for Axis Cameras.

### Adding an Axis Camera to Eagle Eye Camera Direct

To add Axis Camera Direct to Eagle Eye Cloud VMS you need to follow the steps mentioned below:

1. Make sure that your camera is in factory default state

2. Login to the Eagle Eye Cloud VMS
3. Go to the **Dashboard**. Click the + icon and choose **Add Camera Direct**.
4. Get the OAK (Owner Authentication Key) which you will get in a paper from the camera.  
**Note:** If you lost the OAK, you can retrieve it by logging into the camera as an administrator. Go to **System → Network → Get Key**. Please make sure you factory reset the camera after getting the OAK and adding the camera.



- For Axis cameras, the OAK option appears in the UI. Add the MAC address and OAK for the camera.

The screenshot displays the 'Add camera direct' configuration page in the Eagle Eye Networks interface. On the left is a dark sidebar with navigation items: Video search, Dashboard, Layouts, Tags, Automations, Map, Files, and Admin. The main area has a title bar with a back arrow and 'Add camera direct'. Below this is a section titled 'Camera direct information' containing three input fields: 'Camera name' with the value 'Axis Camera', 'MAC address' with the value 'B8:A4:4F:01:02:03', and 'OAK' with the value '5A8Z09BD0091'. Each field has a blue information icon to its right. At the bottom of the form are two buttons: 'Cancel' and 'Add camera'.

- Click the **ONE CLICK** button on the Axis cameras ([More info](#)). The LED should blink green once. If it does not, reset the camera.
- The camera automatically updates to the latest firmware, and multiple ACAPs are downloaded and installed. This process takes 10–15 minutes. The camera then connects to Axis Cloud Connect, which onboards it to Eagle Eye Cloud VMS.
- The camera is added and appears offline initially. It comes online once the onboarding process is complete, which can take a few minutes.

## Limitations on Axis Camera Direct

Motion detection, audio from camera to cloud, and AI-driven functionalities like Smart Video Search and Smart Layouts, along with Brivo Access integration should all function as expected with Camera Direct. LPR/VSP within the Enhanced Web Interface is supported.

However, the following features are not supported with Axis Camera Direct cameras:

- Edge Storage Cloud Sync: Edge storage cloud sync uploads video from an on-board SD card after a network interruption. This means that if the network is interrupted, then video will be lost.

2. 2-Way Audio: Audio from Eagle Eye Cloud VMS to camera is not supported.
3. Eagle Eye Analytics: Analytics (Line Crossing, Counting, Loitering, Tampering, etc.) are not supported.
4. Eagle Eye Camera Tunnel: You cannot connect to the camera Web UI for Camera Direct cameras using Eagle Eye Camera Tunnel.
5. Eagle Eye Camera Direct: It is limited to six cameras since there is no bandwidth management.

Please consult your regional Eagle Eye Networks sales engineer about installing additional cameras.