

## AXIS Camera Station Edge

**User manual**

# AXIS Camera Station Edge

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# AXIS Camera Station Edge

## Introduction

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### Introduction

This manual describes how to use AXIS Camera Station Edge.

Are you currently using AXIS Companion Classic?

- To upgrade to the latest version, see .

# AXIS Camera Station Edge

## System recommendations

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### System recommendations

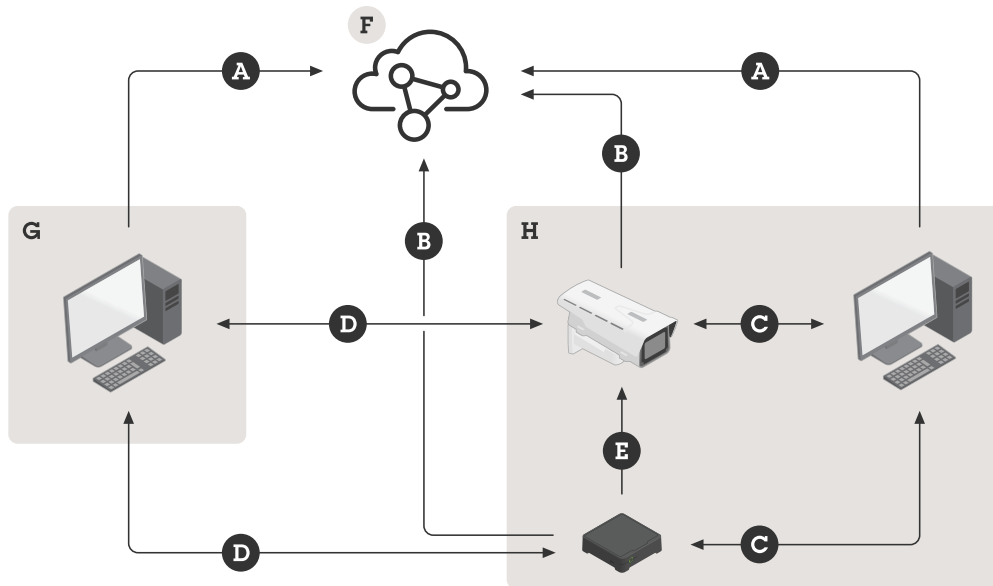
- OS: Windows 10 64-bit or later
- CPU: Intel Core i5
- RAM: 4 GB
- Graphics card: 256 MB onboard video memory
- Graphics card driver: Always use the latest version
- Network: 100 Mbps
- Internet access is required during system setup and management (live and recorded video available offline)
- Uninterruptible Power Supply (UPS)
- Mobile devices: iOS 15 or Android 8.1

If you are using devices with firmware 5.50, see .

# AXIS Camera Station Edge

## Solution overview

### Solution overview



A. Client connection to Axis Cloud Services

B. Device connection to Axis Cloud Services

C. Local connection to device (discovery, initial setup and emergency offline mode)

D. Peer-to-peer connection between client and device

E. RTSP over HTTP(S) recording on recorder

F. Axis Cloud Connect

G. Client LAN

H. Local network

A - Client connection to Axis Cloud Services

URL	<ul style="list-style-type: none"> <li>• *.connect.axis.com</li> <li>• *.axis.com</li> <li>• aiuktg4ql1eax-ats.iot.eu-west-1.amazonaws.com</li> <li>• iot.eu-west-1.amazonaws.com</li> <li>• *.vms.axis.cloud</li> </ul>
Ports	<ul style="list-style-type: none"> <li>• 443(TCP)</li> <li>• 34500(UDP)</li> </ul>
Protocol	HTTPS
Direction	Outgoing
Description	Connection from clients to Axis Cloud Connect Services

B - Device connection to Axis Cloud Services

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## Solution overview

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URL	<ul style="list-style-type: none"><li>• *.connect.axis.com</li><li>• *.axis.com</li></ul>
Ports	<ul style="list-style-type: none"><li>• 443</li><li>• 5349</li></ul>
Protocol	<ul style="list-style-type: none"><li>• TCP</li><li>• HTTPS</li><li>• DTLS (UDP and TCP)</li></ul>
Direction	Outgoing
Description	Connection from devices to Axis Cloud Connect Services.

### C – Local connection to device (discovery, initial setup and emergency offline mode)

URL	Local network
Ports	<ul style="list-style-type: none"><li>• 80</li><li>• 443</li><li>• 1900</li><li>• 5353</li></ul>
Protocol	<ul style="list-style-type: none"><li>• HTTP</li><li>• HTTPS</li><li>• RTSP Over HTTP(S)</li><li>• Bonjour</li></ul>
Description	Data transfer (between client and devices)Unicast discoveryMulticast discovery

### D – Peer-to-peer connection between client and device

URL	Peer to Peer (P2P)
Ports	49152–65535
Protocol	DTSL (UDP and TCP)
Direction	Outgoing
Description	Based on WebRTC standard.For WebRTC TURN to work correctly, allow outgoing connections on port 49152-65535 to the WebRTC TURN server on address *.turn.prod.webrtc.connect.axis.com

### E – RTSP over HTTP(S) recording on recorder

URL	Local network
Ports	554
Protocol	TCP
Direction	On local network
Description	Recording on AXIS S30 Series using RTSP to camera.

# AXIS Camera Station Edge

## Get started

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### Get started

#### Note

Internet access is required during the system setup.

- 1.
- 2.
- 3.
- 4.
- 5.

When the installation is done:


- All Axis devices in the system have the latest firmware.
- All devices have a password.
- Recording using the default settings is active.
- You can use remote access.

### Register a My Axis account

Register a My Axis account at [axis.com/my-axis/login](https://axis.com/my-axis/login).

To make your My Axis account more secure, activate multi-factor authentication (MFA). MFA is a security system that adds another layer of verification to ensure the user's identity.

To activate MFA:

1. Go to [axis.com/my-axis/login](https://axis.com/my-axis/login).
2. Log in with your My Axis credentials.
3. Go to  and select **Account settings**.
4. Click **Security settings**
5. Click **Handle your 2-factor authentication**.
6. Enter your My Axis credentials.
7. Choose one of the authentication methods **Authenticator App (TOTP)** or **Email** and follow the on-screen instructions.

### Install the hardware

Before you install the hardware:

- Make sure you have internet access.
- Make sure you use the same network for your computer and the devices you are going to install.
- Hard reset any devices that were previously used in another system.

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## Get started

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### Use an AXIS Surveillance Card as recording device

1. Connect a PoE device, such as a PoE switch, to your network.
2. Insert an *AXIS Surveillance Card* into the devices you wish to record from.
3. Mount your devices and connect them to the PoE device.
4. Wait a few minutes for the devices to boot up before proceeding.

### Use an AXIS S30 Series Recorder as recording device

1. Connect the AXIS S30 Series Recorder to your network through the LAN port.
2. Mount your devices and connect them to the recorder's PoE ports.
3. Connect the power supply to the recorder.
4. Wait a few minutes for the recorder and devices to boot up before proceeding.

#### **⚠ CAUTION**

Keep the recorder in a well ventilated environment and with plenty of empty space around the it to avoid overheating.

You can find more information about the recorder, such as power requirements and how many devices you can connect, in the documentation on the recorder's support page on [axis.com](https://axis.com).

### Install the desktop app

1. Go to [axis.com/products/axis-camera-station-edge](https://axis.com/products/axis-camera-station-edge) and click **Download** to download AXIS Camera Station Edge for Windows.
2. Open the setup file and follow the setup assistant.
3. Sign in with your *My Axis account*.

### Create a site

A site is a single point of entry to a surveillance solution, for example all cameras in a store. You can keep track of several sites through a single *My Axis account*.

1. Start the AXIS Camera Station Edge desktop app.
2. Sign in with your *My Axis account*.
3. Click **Create new site** and give the site a name.
4. Click **Next**.
5. Select the devices you want to add to your site.
6. Click **Next**.
7. Select storage.
8. Click **Next**.
9. On the **Ready to install page**, **Offline mode** and **Upgrade firmware** are turned on by default. You can turn them off if you don't want to access offline mode or upgrade your devices to the latest firmware version.
10. Click **Install** and wait while AXIS Camera Station Edge configures the devices.

The configuration can take several minutes.



# AXIS Camera Station Edge

## Get started

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### Configure recording and image

AXIS Camera Station Edge configures continuous recording for a camera when you add it to the system. See . In addition to that:

- For cameras with AXIS Object Analytics, we set up event-based recording with AXIS Object Analytics for any object type. See for more information
- For cameras without AXIS Object Analytics, we set up event-based recording with video motion detection. See for more information

#### Note

We recommend you filter out irrelevant motion in the scene using the short-lived, swaying, and small objects filters. Using exclude areas helps further limit unwanted events.

If your camera has remote focus and zoom, go to **Configuration > Cameras > Image > Focus & zoom** and adjust them. See for more information.

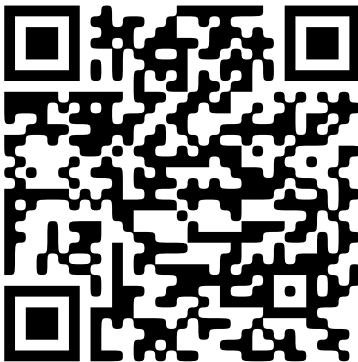
For more information, see .

### Install the mobile app

With AXIS Camera Station Edge mobile app, you can access your devices and recordings from anywhere. You can also get notifications when events occur, or when someone calls from an intercom.

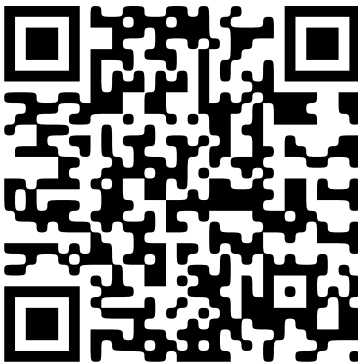
For Android

Click *Download* or scan the following QR Code®.



For iOS

Click *Download* or scan the following QR Code.



# AXIS Camera Station Edge

## Get started

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Open the AXIS Camera Station Edge mobile app and log in with your Axis credentials.

If you don't have a My Axis account, you can go to [axis.com/my-axis](https://axis.com/my-axis) to register a new account.

*QR Code is a registered trademark of Denso Wave Incorporated in Japan and other countries.*

# AXIS Camera Station Edge

## Daily use

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### Daily use

#### Access your devices

1. Sign in to AXIS Camera Station Edge on a computer or a mobile device using your *My Axis account*.
2. Enter the site that contains your devices.

To access your devices in a web browser, go to *My Systems*. Before you can access your devices in *My Systems*, you must add them to the connected services, see . Read the *My Systems user manual on axis.com* for more information.


#### View live video

1. Go to  .
2. Select the camera you want to view.

For information on how to view live and recorded video through the cloud in *My Systems*, see .



To view live and recorded video in the Web client for AXIS Camera Station, go to *My Systems*. Before you can access your devices in *My Systems*, you must add them to the connected services, see . Read the *Web client for AXIS Camera Station user manual* for more information.

#### View live video in a grid


1. Go to  .
2. Click **Split views** and select one of your split views, or click **Default views** and select a predefined one.

See also .

#### Create split views

1. Go to  .
2. Click  **Add view**.
3. Under **Add a split view**, select the size of the grid.
4. Enter a name for the split view.
5. Drag and drop the cameras onto the grid.
6. Click **OK**.

#### View live video in a sequence

1. Go to  .
2. Click **Sequence views**, and select one of your sequences.



See also .

# AXIS Camera Station Edge


## Daily use

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### Create sequence views

1. Go to .
2. Click  **Add view**.
3. Click **Add a sequence view**.
4. Enter a name for the sequence view.
5. Drag and drop your cameras onto the designated area.
6. Select a dwell time for each camera to decide how long you want to display the image.
7. Click **OK**.

### Play a recording



1. Go to .
2. Use the timeline and calendar to find the recording.
3. Select the camera in the timeline and move the playback marker to the desired time.

#### Note

When you move the playback marker, the video image is updated continuously. This makes it easy for you to find a specific moment in the recording.

4. Click **Play**.

### Save a recording

1. Go to  > .
2. Select start and end times for a recording.
3. Select which devices to save recordings from.
4. To save to a USB drive on an AXIS S30 Series Recorder, select the **Save to recorder USB** checkbox.

#### Note

The first partition of your USB device must use an exFAT or NTFS file system.

5. Save the recording.

Change the location of your saved recordings:

1. Go to  > **Settings** > **File**.
2. Change the location under **Recordings**.

### Play a saved recording

To play a saved recording, open it with AXIS File Player.

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## Daily use


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When you save a recording, the AXIS File Player will be saved in the same folder. The AXIS File Player has a timeline showing what time the recording was made.

### Validate a saved recording

You can validate a recording to confirm that the timestamp and images have not been manipulated after the recording was first saved. For this purpose, a digital signature will be included in the file when you save a recording. You can add a password to the digital signature for increased security.

To protect your digital signature with a password when saving a recording:

1. Go to  > Settings > File.
2. Under Video format, select Windows Media Format (.asf).
3. Select Show digital signature options when saving recordings.

Next time you save a recording, the Digital signature window appears, which allows you to select a password for the signature.

Validate a recording:

1. Open the saved recording with AXIS File Player.
2. Click Tools and select Verify digital signature.
3. Enter the password, if a password was added to the signature, and click OK.




A window appears to inform whether or not the recording is valid.

### Take a snapshot

Take a snapshot from live view:

1. Go to 
2. Click 

Take a snapshot from recordings:

1. Go to 
2. Use the timeline and calendar to find the recording.
3. Select the camera in the timeline and move the playback marker to the desired time.
4. Click  to start investigation mode.
  - Investigation mode allows you to step through the recorded video, frame by frame, to find the exact moment when an incident happened and take a snapshot from that moment.
5. To find the incident, click on the thumbnails to step 30, 15, 5 or 1 frames backward (top panel) or forward (bottom panel). You can also move the slider.
6. When satisfied, click  to take a snapshot.

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## Daily use


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- For most cameras the snapshot will contain the entire camera image, regardless of the zoom level. For cameras with a dewarped image, the snapshot will be the zoomed-in image.

Change the location of your saved snapshots:

1. Go to  > Settings > File.
2. Change the location under **Snapshots**.

## Adjust the image settings


1. Go to  > Cameras > Image.
2. Select the camera you want to adjust.

You can control the image by adjusting settings like:

- Appearance
- Exposure
- Overlays
- Day & night
- Privacy mask
- Focus & zoom

## View events

You can view a list of events that have been detected by your devices.

1. Click  to see the list of events.
2. Click on a specific event in the list to see a recording of it.
3. Right-click on a specific event in the list and select **Go to live view** to go to the live view of the device that triggered it.

To see events in the list and get notifications when they occur, you need to set up event notifications.

- To set up event notifications based on AXIS Camera Station Edge built-in motion detection, see .

**Example:**

A receptionist pushes a panic button. An operator is notified and views the event.

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## Configuration

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### Configuration

#### Configure the video quality

You can configure the video quality to suit your image quality requirements and bandwidth usage. Video quality settings affect motion recording, continuous recording and the live view.


1. Go to  > Cameras > Video quality.
2. Select the camera you want to configure.
3. Edit the Resolution and/or the Frame rate in the high or low profile.
4. Click Apply to save.

#### Configure motion recording

AXIS Camera Station Edge configures continuous recording automatically for a device when you add it to your system. In addition to continuous recording, we recommend using either of the following:

- For cameras with AXIS Object Analytics, we recommend using object analytics to trigger motion recordings. See .
- For cameras without object analytics, we recommend using continuous recording with notifications based on video motion detection. See .


#### Configure object analytics

1. Go to  > Recording settings > Motion recording.
2. Select the camera you want to use object analytics on.
3. Select Enable motion recording.
4. Select Object analytics.
5. Click Apply.
6. Click Motion settings to configure your scenarios. See the *AXIS Object Analytics user manual on axis.com* for more information.


#### Configure video motion detection

For cameras without object analytics, we recommend using continuous recording with event notifications based on video motion detection.

Send event notifications based on motion detection to your AXIS Camera Station Edge desktop app:

1. Go to  > Events > Video Motion Detection.
2. Set up a schedule.
3. Under Activation, select the devices you wish to get a notification from.

If the motion detection is triggered too often, you can adjust the settings to ignore parts of the view or certain types of events.

1. Go to  > Recordings settings > Video motion detection.

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## Configuration

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2. Select the camera you want to adjust.
3. Select which part of the camera view to include or exclude during motion detection.
  - Edit the predefined area to include during motion detection.
  - Select **Exclude areas** and edit the area to exclude from motion detection.

### Note

For some camera models you can only add rectangular shapes, and for others you can add polygons.

4. Expand **Advanced** to adjust the settings of the filters.
  - **Small objects filter:** Ignore small objects, such as animals.
  - **Swaying objects filter:** Ignore objects that only move within a short distance, such as trees or flags that move when it is windy.

### Note

The swaying objects filter is not available for all camera models.


- **Short-lived objects filter:** Ignore objects that only appear briefly in the image, such as light beams from passing cars or fast-moving shadows.

To turn on event notifications in AXIS Camera Station Edge mobile app, see .

If you want to turn off continuous recording and only record when motion is detected, see .

### Record only when motion is detected

If you don't want to use continuous recording as recording method in your AXIS Camera Station Edge system, you can configure AXIS Camera Station Edge to only record when motion is detected.

1. Go to  > **Cameras**.
2. Turn off **Continuous recording** for your devices.
3. Turn on **Motion detection** for the device/s of your choice.


For more information about motion detection, see .

## Configure continuous and scheduled recording

Continuous recording saves images continuously and requires more storage space than other recording options.

### Note

AXIS Camera Station Edge uses motion recording with AXIS Object Analytics (high profile) and continuous recording (low profile) by default. For cameras without AXIS Object Analytics, continuous recording (high profile) is default.

1. Go to  > **Recording settings** > **Continuous recording**.
2. Select the camera you want to configure.
3. Select **Enable continuous recording**.
4. Select your preferred video quality. See for more information.
5. Select **Always on** if you want to record all the time.



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6. Or, select **Schedules** and select one or more of the existing schedules if you want to record only during specific hours. See for more information.
7. Click **Apply**.


### Create and edit schedules

AXIS Camera Station Edge has some predefined schedules that lets you record only during certain hours. You can edit these schedules or create your own schedules. When you create or edit a schedule for a camera, the changes apply only to that camera.

To edit a schedule:

1. Go to  > **Recording settings** > **Continuous recording**.
2. Select the camera you want to edit a schedule for.
3. Select **Schedules**.
4. Click the row of the schedule you want to edit and click **Edit...**
5. Edit the schedule and click **OK** to save it.

To create a new schedule

1. Go to  > **Recording settings** > **Continuous recording**.
2. Select the camera you want to create a new schedule for.
3. Select **Schedules**.
4. Click **New...**
5. Edit the new schedule and click **OK** to save it.

### Set up notifications

You can configure AXIS Camera Station Edge to send notifications to your desktop and mobile app.

- To set up event notifications based on AXIS Camera Station Edge built-in video motion detection, see .
- To set up event notifications based on other Axis analytics applications, see the **How to** articles on [axis.com/products/axis-camera-station-edge/support](https://axis.com/products/axis-camera-station-edge/support).
- To turn on event notifications in AXIS Camera Station Edge mobile app, see .

### Use intercoms

Add intercoms to your video surveillance system to be able to answer calls from your desktop or mobile app, and to unlock doors.

#### Note

To unlock a door, your intercom must be properly connected to the door's electronic lock. The documentation for your intercom contains information about how to make this connection correctly. To find the documentation for your intercom, go to [axis.com/products/axis-network-intercoms](https://axis.com/products/axis-network-intercoms)


### Adjust the output gain

You can adjust the output gain for the intercom ringtone and calls.

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1. Go to  > Cameras > Intercom.
2. Select the intercom you want to adjust.
3. Adjust the number of dB under **Output gain**.
4. Click **Apply**.


### Manage call timeout

You can decide how long an unanswered call should ring before it's automatically declined.


1. Go to  > Cameras > Intercom.
2. Select the intercom you want to adjust.
3. Adjust the number of seconds under **Calling timeout**.
4. Click **Apply**.

### Adjust unlock duration

You can decide how long a door should remain unlocked after you open it through AXIS Camera Station Edge.

1. Go to  > Cameras > Intercom.
2. Select the intercom you want to adjust.
3. Edit the number of seconds under **Unlock duration**.
4. Click **Apply**.

### Change the ringtone

1. Go to  **Configuration** > **Customize**.
2. Use the default ringtone, or upload your own ringtone.

### Use network speakers

Add speakers to your video surveillance system to improve the security on your premises by using event-triggered announcements and direct callouts.

#### Note

- For information about how to adjust speaker volume and use event-triggering, see the user manual for your speaker. You can find the user manual on the product's support page on [axis.com](http://axis.com) or on [help.axis.com](http://help.axis.com).
- If you want to use multiple speakers, use *AXIS Audio Manager Edge* to group them in zones. You can find the user manual for *AXIS Audio Manager Edge* on the support page or on [help.axis.com](http://help.axis.com).
- For information about how to use Axis network speakers to play pre-recorded announcements in *AXIS Camera Station Edge*, see the **How to** article on [axis.com/products/axis-camera-station-edge/support](http://axis.com/products/axis-camera-station-edge/support).

### Send live announcements


In *AXIS Camera Station Edge*, a push-to-talk function makes it possible to send live announcements to one or several speakers.

Send an announcement to a speaker:

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1. Go to  and select the camera of your choice.
2. Select your speaker.
3. Press and hold the mic icon to activate the microphone.
4. When you have sent your announcement, release the mic icon.

If you want to send an announcement to multiple speakers, use AXIS Audio Manager Edge to group your speakers and add them to a zone before you send your announcement.

### Note

You can find the user manual for *AXIS Audio Manager Edge* on the product's support page or on [help.axis.com](http://help.axis.com).


## Use strobe sirens

Add strobe sirens to your video surveillance system to improve the security on your premises by using event-triggered signals and alarms.

### Note

- For information about how to set up a strobe siren, see the user manual for your strobe siren. You can find the user manual on the product's support page on [axis.com](http://axis.com) or on [help.axis.com](http://help.axis.com).
- For information about how to use AXIS D4100-E Network Strobe Siren in AXIS Camera Station Edge, see the **How to** article on [axis.com/products/axis-camera-station-edge/support](http://axis.com/products/axis-camera-station-edge/support).

## Add a user







1. Go to  > Users.
2. Click **Add...**
3. Type an email address and select an access level.
4. Click **OK**.

The user receives an email with instructions on how to get started. The final step is to accept the invitation. See for more information.

### Note

If you add a user who doesn't have a My Axis account, the user will be asked to create an account.

The following access levels are available:

Administrator	   Full access
Operator	  Can access recordings and live view, but can't make any changes to the site
Viewer	 Can only access live view

To manage users in a web browser, go to *My Systems*. Before you can access your devices in My Systems, you must add them to the connected services, see . Read the *My Systems user manual* on [axis.com](http://axis.com) for more information.


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## Configuration




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### Accept an invitation



When you receive an invitation to a site, you must first accept the invitation before accessing the site.

1. Go to  > Invitations.
2. Click Accept.
3. Click Close when you're done.

### Add a device to your site

1. Connect the device to the recorder's PoE ports or to an external PoE switch.
2. Go to  > Cameras > Overview,  > Recorders or  > Other devices.
3. Click Add devices.
4. Select the device you want to add to your site.
5. Click Next.
6. Enter a password.  
Use this password to access the web interface of your device or offline mode in AXIS Camera Station Edge mobile app.
7. Click Next.
8. On the Ready to install page, Offline mode and Upgrade firmware are turned on by default. You can turn them off if you don't want to access offline mode or upgrade your devices to the latest firmware version.
9. Click Install and wait while AXIS Camera Station Edge configures the device.  
The configuration can take several minutes.

### Remove a device from your site

1. Go to  > Cameras or > Other devices.  
To remove a recorder, see .
2. Click  > Remove next to the device you want to remove.
3. Click OK.  
If the device is connected to a recorder, you need to select if you want to remove the recordings from the recorder.

#### Note

AXIS Camera Station Edge resets the device to factory settings when you remove it from the site.

### Remove a recorder from your site

#### Note


Before you can remove a recorder, you need to change the storage option of the devices that are connected to it.

Change the storage option:



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1. Go to  > **Cameras > Storage**.
2. Select the device you want to change.
3. Select **No storage**.
4. Click **Apply**.



Remove the recorder:

1. Go to  > **Recorders**.
2. On the row of the recorder you want to remove, click  > **Remove**.
3. Click **OK**.

### Replace a device in your site



If you need to replace a device that is connected to a recorder, you may want to save the recordings before removing and replacing the device. Once the device has been removed from the site, the recordings will no longer be available in the **Recordings** area in AXIS Camera Station Edge.

Save your recordings:

1. Go to  >  .
2. Select which device you want to save recordings from.

AXIS Camera Station Edge can save up to 24 hours of recorded material at a time.

Remove the device:

1. Go to  > **Cameras**.
2. Click  > **Remove** next to the device you want to remove.
3. In the dialog that appears, select **Remove recordings from recorder**.


If you do not select this option, the recorder will not free up the associated recording slot, and other devices will not be able to connect to the same slot.

To add a replacement device, see .

### Replace a recorder in your site

Before you can replace a recorder in your site, you need to remove the devices that are associated with it.

Remove devices:

1. Go to  > **Cameras > Storage**.
2. Select the device you want to change.
3. Select **No storage**.
4. Click **Apply**.

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Repeat for all of the devices that are connected to the recorder you would like to replace.

To remove the recorder, see .

Add a new recorder to your site:

1. Follow the steps in .
2. Go to  > **Cameras > Storage**.
3. Select the device you want to edit.
4. Select the new recorder from the list.
5. Click **Apply**.

### Activate offline mode

If you activate offline mode, you can run AXIS Camera Station Edge with limited functionality even if the internet connection temporarily goes down. You will be able to access **Live view** and **Recordings** locally without internet connection, but not the **Configuration** menu to make changes to your site.

To activate offline mode:

1. Go to  > **Site**.
2. Turn on **Offline mode**.

#### Note


- The site must be online when you turn on offline mode. Each Windows user must turn on offline mode for their clients.
- Offline mode is not intended for permanent use. Connect your AXIS Camera Station Edge system to the internet at least every three months to update the firmware and certificates of your devices.
- The computer that accesses the site in offline mode should be connected to the same subnet as the devices. You can't use offline mode if your AXIS Camera Station Edge client is connected to the internet.
- The mobile app will use the same password as was set for the device when the site was created.
- You will not be able to get a full system report without internet connection.
- For sites that will be used mostly offline, we recommend you to set them up with static IP or DHCP reservation.

### Enable connected services on your devices

Connected services give you the following added capabilities:

- User and device management through a web browser in My Systems.
- Live and recorded video through a web browser in My Systems.
- Store recordings in the cloud with AXIS Camera Station Cloud Storage.
- Automatic and scheduled device software updates.

To access the devices in My Systems you must enable the connected services on them:

1. Go to  > **Connected services**.
2. Enable devices individually, or all at once.

For more information, read the *Web client for AXIS Camera Station user manual* and the *My Systems user manual* on [axis.com](http://axis.com).

# AXIS Camera Station Edge

## Configuration

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### Note

Enabling the connected services requires AXIS OS 11.11 or higher.

### Store your recordings in the cloud

AXIS Camera Station Cloud Storage offers a way to store your recordings in the cloud. Before you can activate cloud storage you must enable the connected services on your devices. See . For information on how to configure AXIS Camera Station Cloud Storage, see *Store recordings in the cloud in the web client for AXIS Camera Station user manual*.



### Advanced settings

You can access the advanced settings in device's web interface.

### Note

- We recommend that only experienced users configure the advanced settings.
- AXIS Camera Station Edge doesn't support all options in the advanced settings.
- AXIS Camera Station Edge supports installing third-party ACAP applications only through advanced settings, not when you access the device directly using its IP address.

To access advanced settings:

1. Go to  > **Cameras** > **Overview**.
2. Open the context menu  for the camera you want to access.
3. Click **Advanced settings....**

The device's web interface opens in an embedded browser.

# AXIS Camera Station Edge

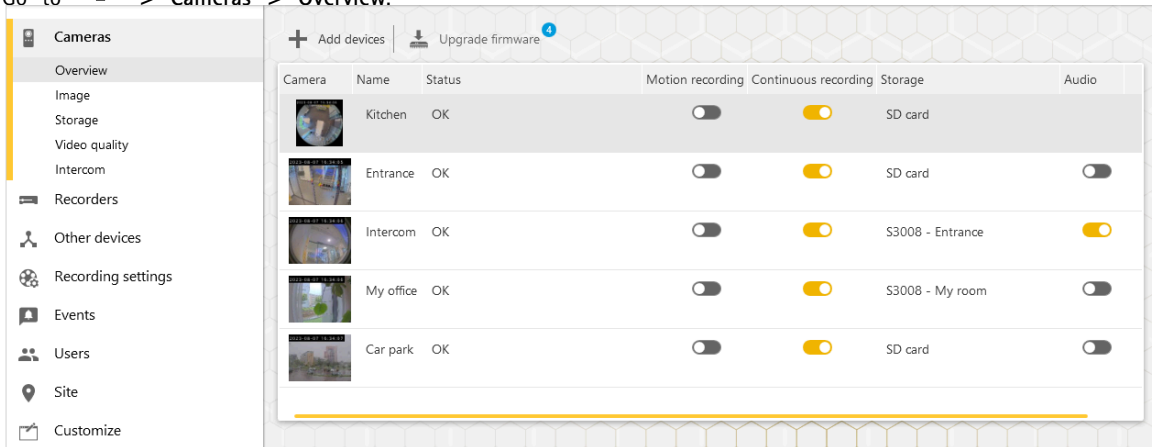
## Maintenance

### Maintenance

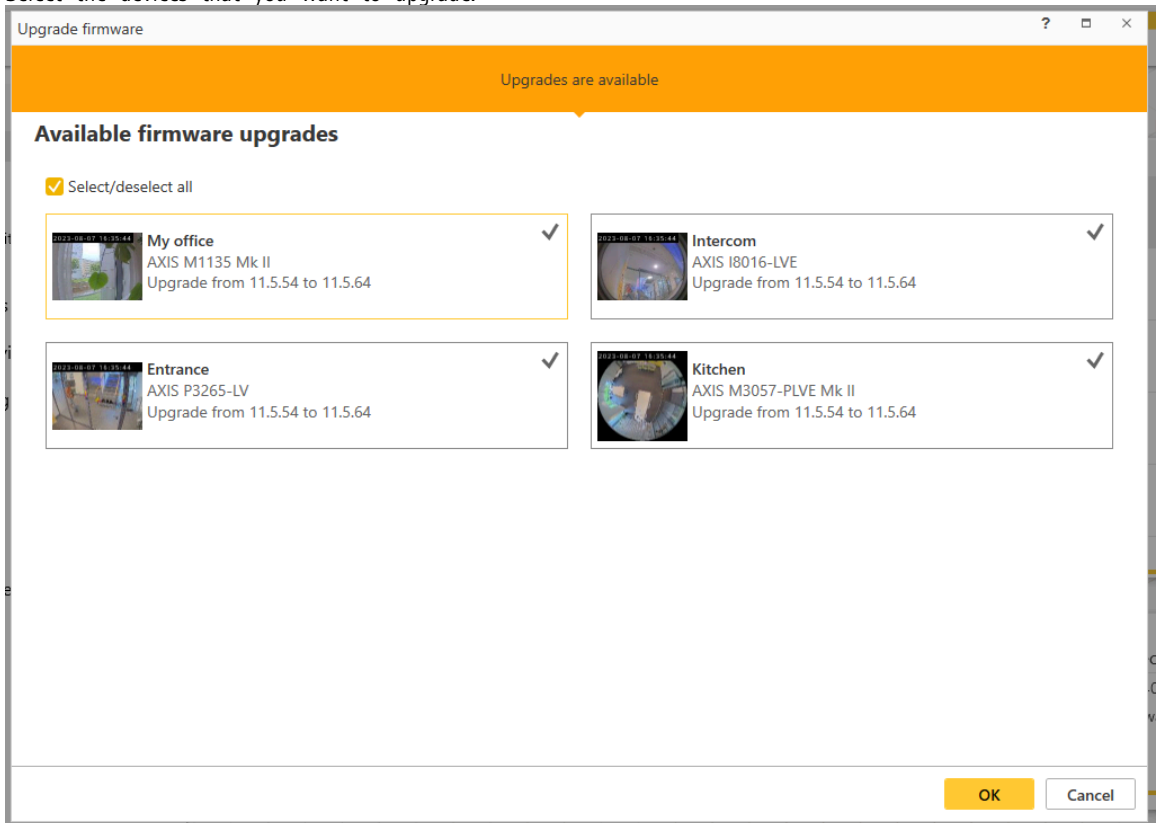
#### Upgrade firmware

Upgrade the firmware of your devices regularly to get the latest features and security updates.

1. Go to  > Cameras > Overview.



2. Click Upgrade firmware.
3. Select the devices that you want to upgrade.





# AXIS Camera Station Edge

## Maintenance

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4. Click OK.

The upgrade can take several minutes.

To upgrade your devices in a web browser, go to *My Systems*. Before you can access your devices in *My Systems*, you must add them to the connected services, see . Read the *My Systems user manual on axis.com* for more information.

### Hard reset a device

#### Note

- A hard reset will not affect your recordings.
- A hard reset will reset all the settings, including the IP address.

1. Select the device you want to hard reset and remove it from the site.

See .

2. Disconnect the power from the device.
3. Press and hold the control button on the device, and then reconnect the power.

Keep the control button pressed for 15–30 seconds until the status LED indicator flashes amber.

4. Release the control button.

The process is complete when the status LED indicator turns green.

The product has now been reset to the factory default settings.

5. Add the device to the site again.

See .

### Hard reset a recorder

#### Important

Move the recorder carefully while it's switched on. Sudden moves or shocks may damage the hard drive.

#### Note

- A hard reset will reset all the settings, including the IP address.
- A hard reset will not remove your recordings.
- A hard reset will not remove the encryption password.

1. Switch off the recorder:

Press the power button on the front of the recorder for 4–5 seconds until you hear a beep.

2. Wait until the recorder is switched off, then turn it over to access the control button.
3. Press and hold the control button. Press and release the power button to start the recorder. Release the control button after 15–30 seconds when the LED indicator flashes amber.
4. Carefully put the recorder back in its place.
5. The process is complete when the status LED indicator turns green. The product has been reset to the factory default settings. If no DHCP server is available on the network, the default IP address is 192 . 168 . 0 . 90
6. Reset your devices connected to the recorder.

# AXIS Camera Station Edge

## Maintenance

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When you add your recorder to a site after a hard reset, you will be asked to type your encryption password to unlock the recorder, or to click **Format disk** to set a new password.

# AXIS Camera Station Edge

## The mobile app

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### The mobile app

With AXIS Camera Station Edge mobile app, you can access your devices and recordings from anywhere. You can also get notifications when suspicious events occur, or when someone calls from an intercom.

To download the mobile app to your Android or iOS device, see .

### Overview


The mobile app contains many of the features and settings that are available in the desktop app. Use these four tabs to access and make changes to your sites.

- **Video:** Where you access the live view and recordings of your devices, switch sites if you have access to more than one, or create new sites.
- **Events:** Where you find the list of events that have been detected by your devices. Click on a specific event to see a recording of it.
- **Devices:** Where you access the settings of your devices. For example, you can upgrade the firmware, change the recording method and add or remove a device.
- **More...:** Where you manage users and notifications, change the theme or get help if you run into issues.

### Turn on notifications

You can get notifications to your mobile app when different events occur, for example when motion is detected, or when someone calls from an intercom.


To turn on notifications:

1. In the AXIS Camera Station Edge Windows application, go to **Configuration > Events**.
2. Under **Activation**, turn on notifications for all or individual devices.
3. In your mobile device's notification settings, turn on notifications for the AXIS Camera Station Edge mobile app.
4. Open the AXIS Camera Station Edge mobile app.
5. Go to **More >  > Notifications**.
6. Select the notifications you want to turn on or off.

### Add a device in the mobile app

#### Note

Make sure your mobile is connected to the same network as your devices and your computer running the desktop app.

1. Go to **Devices**.
2. Click  .
3. Select the devices you want to add.
4. Click **Next**.
5. Enter a password.

# AXIS Camera Station Edge

## The mobile app

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Use this password to access the webpages of the devices or offline mode in the mobile app.

6. Click **Next** and wait while AXIS Camera Station Edge configures the device.

The configuration can take several minutes.

### Create a site in the mobile app

#### Note

Make sure your mobile is connected to the same network as your devices and your computer running the desktop app.

1. Log in to your My Axis account.
2. If you have sites associated with your My Axis account: Click on the site name in the top left corner.  
If you don't have sites associated with your My Axis account: Click **Welcome** in the top left corner.

3. Click  .

4. Click **Next**.

5. Name your site and click **Next**.

6. Select the devices you want to add to your site and click **Next**.

7. Enter a password for your devices.

Use this password to access the webpages of your devices or to access offline mode in the mobile app.

8. Click **Next**.

9. Verify that the site details and devices you have added are correct and click **Next**.

10. Wait while AXIS Camera Station Edge configures the devices.

The configuration can take several minutes.

# AXIS Camera Station Edge

## Troubleshooting

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### Troubleshooting

We have designed AXIS Camera Station Edge for new or used devices with factory settings. Before you add devices previously used in other systems to your site, always perform a hard reset. Modifications of device settings that are unavailable in AXIS Camera Station Edge can sometimes affect your system and impact performance.

Furthermore, always make sure that your AXIS Camera Station Edge client and Axis devices are updated with the latest software and firmware updates.

Visit [axis.com/products/axis-camera-station-edge](https://axis.com/products/axis-camera-station-edge) for information such as:

- Datasheet
- Compatible products
- Support and resources

### Get notifications on the status of Axis services

If you're experiencing general problems in AXIS Camera Station Edge, you can check the status of the Axis services to rule out any incidents or scheduled maintenance.

1. Go to <https://status.axis.com/>.
2. Expand **AXIS Camera Station Edge** to view the status of the different functions.

To subscribe and get notifications on the status of Axis services:

1. On <https://status.axis.com/>, click **SUBSCRIBE TO UPDATES**.
2. Enter your email address.
3. Click **SUBSCRIBE VIA EMAIL**.
4. Select the individual components you're interested in.
5. Click **Save**.
6. Open the email from Axis status and click **Confirm subscription**.

### Technical issues, clues and solutions

#### Site creation

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No devices are detected

Check that your devices have power and are connected to the same subnet as your computer.

The devices are not supported

Older Axis devices with a firmware that can't be updated to 5.50 or later are not supported.

Communication errors

AXIS Camera Station Edge couldn't contact the device. Possible reasons:

- Unstable connection to the internet. Make sure you have internet connection and try again.
- The device is not available on the network after restarting, restoring or upgrading the firmware. Close the wizard and wait a few minutes before you restart it.
- The device doesn't have the expected settings, which prevents AXIS Camera Station Edge from

# AXIS Camera Station Edge

## Troubleshooting

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### Site creation

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- communicating with the device. Close the wizard, hard reset the device and start the wizard again.
- The use of VPN or additional network security features block the connection to Axis services. Make sure that required addresses are excluded from inspection and allowed by the firewall. For more information, see .

### Login

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The username or password is incorrect

The username and password combination is not valid.

The site is not available

- Make sure the computer with your AXIS Camera Station Edge client is connected to the network.
- Make sure that no firewall or antivirus software blocks the internet connection. For more information, see .
- Check [status.axis.com](http://status.axis.com) for incidents or scheduled maintenance of Axis services.

### Live view

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There is no video

- Make sure your system follows the recommendations listed in .
- Make sure your graphic card is updated with the latest driver.

The video is lagging

- Make sure your system follows the recommendations listed in .
- Make sure your graphic card is updated with the latest driver.

No contact

The device can't be accessed on the network. Check that your devices have power and internet connection.

Unable to retrieve stream

Make sure that you don't request too many streams from the cameras. See the troubleshooting section in the user manual of each individual camera at [help.axis.com](http://help.axis.com).

### Configuration workspace

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Communication error

The connection to the device is temporarily lost. If you click on the link that appears, AXIS Camera Station Edge tries to repair the connection. Make sure that the device is available on the network with valid network settings.

Configuration error

The device doesn't have the expected settings or is configured inaccurately. If you click the link, AXIS Camera Station Edge tries to repair the error. If the attempt fails, hard reset the device and add it to the site again.

No contact

The device is no longer available on the network. Check that the device/recorder has power and access to the internet.

Storage error

The device can't contact the recorder. Make sure IPv6 is enabled for your devices ( AXIS Camera Station Edge uses IPv6 for communication).

# AXIS Camera Station Edge

## Troubleshooting

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### Storage and recordings

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Storage error

There are issues with the recording media, for example a missing SD card, faulty disk or incorrect configuration.

- Go to **Configuration** in AXIS Camera Station Edge and refresh the connection.
- Check that your recording media doesn't report any errors. See the user manual for your recording device for more information. You can find the user manual at [help.axis.com](http://help.axis.com).

Can't access the recorder

The recorder is offline. Make sure it has power and internet connection.

### Intercoms

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Intercom calls are not coming through

Check that your client (computer or mobile phone) has internet connection.

Can't unlock the door

Make sure the intercom is correctly wired and configured. See the user manual for your intercom for more information. You can find the user manual at [help.axis.com](http://help.axis.com).

### The mobile app

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There are no notifications


Make sure you have turned on notifications in your mobile phone and in the app. See for more information.

I can't reach my site remotely

- Make sure you have the latest AXIS Camera Station Edge.
- Check that your mobile phone has internet connection via the mobile network or Wi-Fi.
- Log out from your Axis account and log in again to make sure you are correctly authenticated.

## Save a system report




1. In AXIS Camera Station Edge, go to  > **Save system report**.
2. When you register a new case at Axis Helpdesk, attach the system report.

## Using devices with firmware 5.50

AXIS Camera Station Edge supports Axis devices with firmware 5.50 or higher. However, the 5.50 firmware is no longer supported by Axis and can't be upgraded. When using Axis products with 5.50 firmware, it is important to consider how various settings and situations can affect performance. An increasing number of connected clients, including audio, could impact performance. Devices running on 5.50 firmware in an AXIS Camera Station Edge system can show symptoms such as lagging video or long response time from the camera.

AXIS Camera Station Edge is a packaged solution. When a device is installed and added to a site, it is configured automatically for best performance. Therefore, it is highly recommended to use the default settings, i.e. continuous recording, not video motion detection.

If you still experience loss of performance, try the following to reduce the load on the device:

1. In AXIS Camera Station Edge, go to  > **Cameras > Video quality**.
2. Select the camera you want to configure..

# AXIS Camera Station Edge

## Troubleshooting

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3. Lower the camera resolution of the live and recorded video.
4. Lower the frame rate (FPS) of the live and recorded video.

## Migrating from AXIS Companion Classic to AXIS Camera Station Edge

### Requirements

If you are already using AXIS Companion Classic and want to upgrade to the latest version, read through the table below to confirm that your devices meet the requirements.

	AXIS Camera Station Edge	AXIS Companion Classic
Supported products	AXIS Companion IP cameras. AXIS Camera Station Edge solutions that include an AXIS S30 Series Recorder support Axis cameras and encoders with firmware 5.50 or higher. AXIS Camera Station Edge solutions that don't include an AXIS S30 Series Recorder support Axis cameras and encoders with firmware 8.40 and higher. For more information, see .AXIS Companion Eye mini L, AXIS Companion Bullet mini LE and AXIS Companion Dome mini LE are only supported if they are connected to an AXIS Companion Recorder.	AXIS Companion IP cameras.Axis network cameras and encoders with firmware 5.50 and higher.
Storage media	AXIS Surveillance CardAXIS Companion RecorderAXIS S30 Recorder SeriesNo third-party NAS support	Axis SD cardAXIS Companion RecorderAXIS S30 Recorder Series <sup>1</sup> Selected third-party NAS devices
Multi-user support	Yes	No
Alert notifications	Yes	No
Remote system management	Yes	No
Internet access	Required during system setup and management. Live and recorded video available offline.	Not required.

<sup>1</sup> For information about limitations, see the technical paper 'Disclaimer - AXIS S3008 and AXIS Companion Classic' on [axis.com/products/axis-camera-station-edge/support](https://axis.com/products/axis-camera-station-edge/support)

### Upgrade to AXIS Camera Station Edge

#### Note

- Any device that was used in AXIS Companion Classic must be hard reset or restored before it can be used in AXIS Camera Station Edge.
- A hard reset or restore of a device will not erase any recordings.
- AXIS Camera Station Edge supports SD cards only from Axis.
- When using panoramic cameras in the AXIS Camera Station Edge Windows client recording view and in the AXIS Camera Station Edge mobile app, you can access only the Overview view.

The installation wizard will detect if any devices need to be hard reset or restored, and assist you. If a device need to be restored, the wizard will take you to the device webpage, where you log in with the username `ACCAdmin` and the site password that you used in AXIS Companion Classic.



