

## **AXIS Q35 Network Camera Series**

**AXIS Q3515-LV Network Camera**

**AXIS Q3515-LVE Network Camera**

## **User Manual**

## AXIS Q35 Network Camera Series

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## **AXIS Q35 Network Camera Series**

### **About this manual**

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#### **About this manual**

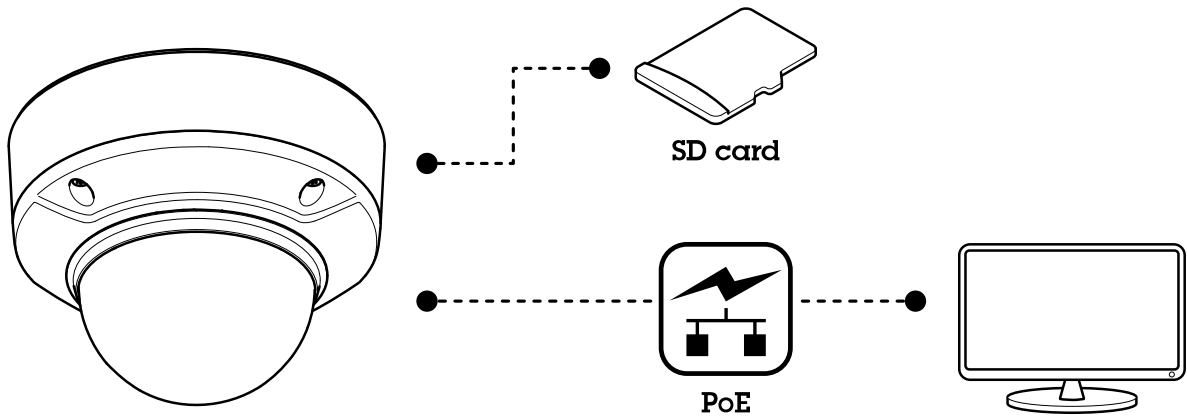
This user manual describes multiple products. Some of the instructions may not be relevant for your product.

## AXIS Q35 Network Camera Series

### Solution overview

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#### Solution overview

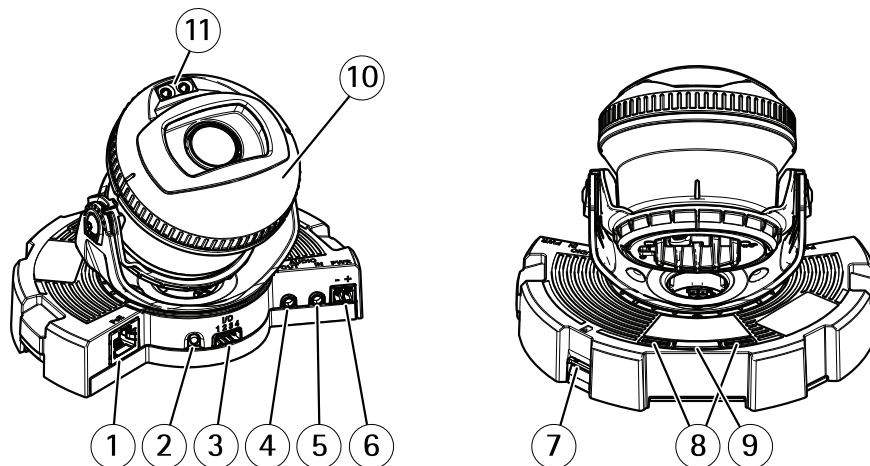


## AXIS Q35 Network Camera Series

### Product overview

#### Product overview

##### AXIS Q3515-LVE Network Camera

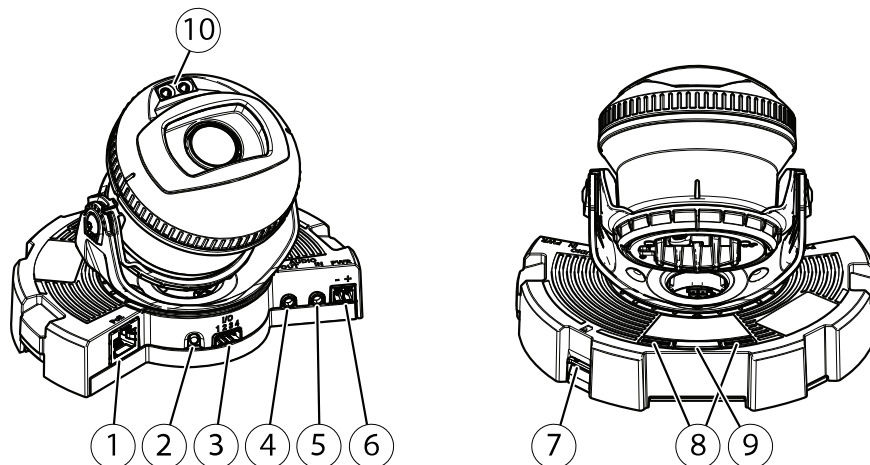


- 1 Network connector
- 2 Control button
- 3 I/O connector
- 4 Audio out
- 5 Audio in
- 6 DC connector
- 7 SD card slot
- 8 Status LED (2x)
- 9 Function button
- 10 Heater
- 11 IR LED (2x)

#### ⚠CAUTION

The heater may be hot.

##### AXIS Q3515-LV Network Camera



- 1 Network connector

## AXIS Q35 Network Camera Series

### Product overview

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- 2 *Control button*
- 3 *I/O connector*
- 4 *Audio out*
- 5 *Audio in*
- 6 *DC connector*
- 7 *SD card slot*
- 8 *Status LED (2x)*
- 9 *Function button*
- 10 *IR LED (2x)*

## AXIS Q35 Network Camera Series

### How to access the product

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#### How to access the product

AXIS IP Utility and AXIS Camera Management are recommended methods for finding Axis products on the network and assigning them IP addresses in Windows®. Both applications are free and can be downloaded from [axis.com/support](https://axis.com/support)

The product can be used with the following browsers:

- Chrome™ (recommended), Firefox®, Edge®, or Opera® with Windows®
- Chrome™ (recommended) or Safari® with OS X®
- Chrome™ or Firefox® with other operating systems.

If you need more information about recommended browsers, go to [axis.com/browser-support](https://axis.com/browser-support)

#### How to access the product from a browser

1. Start a web browser.
2. Enter the IP address or host name of the Axis product in the browser's address field.

To access the product from a Mac computer (OS X), go to Safari, click on Bonjour and select the product from the drop-down list. To add Bonjour as a browser bookmark, go to **Safari > Preferences**.

If you do not know the IP address, use AXIS IP Utility to locate the product on the network. For information about how to discover and assign an IP address, see the document *Assign an IP Address and Access the Video Stream* on Axis Support web at [axis.com/support](https://axis.com/support)

3. Enter your username and password. If this is the first time the product is accessed, the root password must first be configured.
4. The product's live view page opens in your browser.

#### About secure passwords

##### Important

Axis devices send the initially set password in clear text over the network. To protect your device, set up a secure and encrypted HTTPS connection and then change the password.

The device password is the primary protection for the data and services. Axis devices do not impose a password policy as they may be used in various types of installations. To protect your data we recommend that you:

- Change the default password that comes with the devices.
- Use a password with at least 8 characters, preferably created by a password generator.
- Don't expose the password.
- Change password at a recurring interval, at least once a year.

#### Set a secure password for the root account

##### Important

The default administrator user name **root** cannot be deleted. If the password for root is lost, the device must be reset to the factory default settings.

1. Make sure to follow the instructions about secure passwords. See *About secure passwords on page 7*.
2. Type a password and then retype it to confirm the spelling.

## **AXIS Q35 Network Camera Series**

### **How to access the product**

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3. Click **Create login**. The password has now been configured.



## AXIS Q35 Network Camera Series

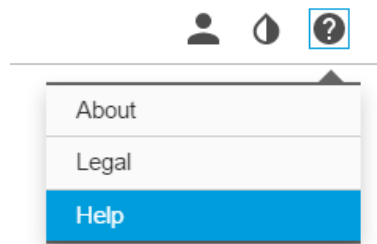
### Setup

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#### Setup

#### About the product's built-in help

You can access the built-in help through your product's webpage. The help provides more detailed information on the product's features and their settings.



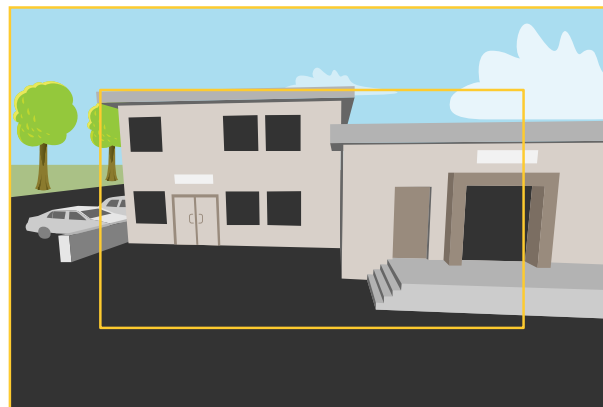
#### Image quality

##### About capture modes

Capture mode defines the maximum frame rate available in the Axis product. Depending on which capture mode you select, you may not be able to use WDR.

A capture mode consists of a resolution and the corresponding frame rate available in the product. The capture mode setting affects the camera's field of view and aspect ratio.

The lower resolution capture mode is cropped out from the highest resolution.



*The image shows how the field of view and aspect ratio can change between two different capture modes.*

##### How to select capture mode

Which capture mode to choose depends on the requirements of frame rate and resolution for the specific surveillance setup. For specifications about available capture modes, see the product's datasheet. To find the latest version of the datasheet, go to [axis.com](http://axis.com)

## AXIS Q35 Network Camera Series

### Setup

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#### About remote focus and zoom

The remote focus and zoom functionality allows you to make focus and zoom adjustments to your camera from a computer. It is a convenient way to ensure that the scene's focus, viewing angle and resolution are optimized without having to visit the camera's installation location.



*Left: no focus. Right: remote focus applied.*



*Left: no zoom. Right: remote zoom applied.*

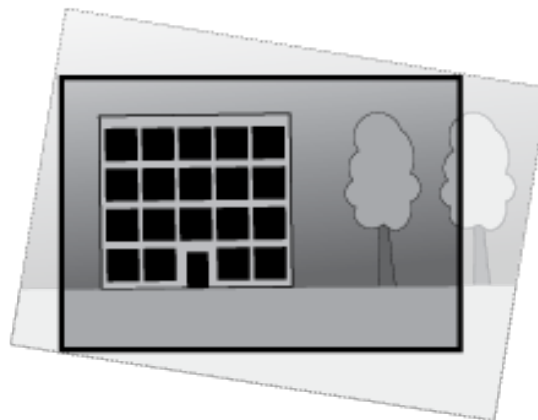
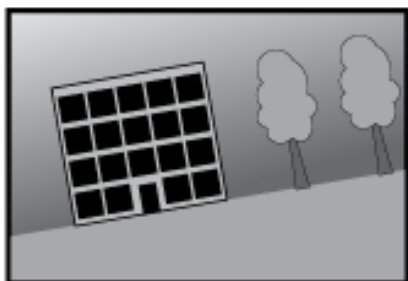
#### How to straighten image

Straighten image straightens the image horizontally by rotating and cropping it digitally. Due to the cropping, a part of the original image is lost. The functionality is ideally used to straighten the image during installation. The illustration shows before and after straighten image has been used.

## AXIS Q35 Network Camera Series

### Setup

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1. Go to **Settings > Image > Image correction**.
2. Enable **Straighten image**.

### How to hide parts of the image with privacy masks

If you want to hide parts of the image due to privacy reasons, use one or several privacy masks.

#### What is a privacy mask?

A privacy mask is a user-defined area that prohibits users from viewing parts of the monitored area. Privacy masks appear as blocks of solid color or blurred image elements and are applied on the video stream.

Privacy masks are present on all snapshots, recorded video, and requested streams. They can not be bypassed through the VAPIX® application programming interface (API).

#### Important

If you add multiple privacy masks, this may affect the product's performance.

#### How to create a privacy mask

To create or edit a privacy mask, go to **Settings > Privacy mask**.

### How to reduce noise in low-light conditions

To reduce noise in low-light conditions, you can adjust one or more of the following settings:

- Make sure that the exposure mode is automatic.

#### Note

Increasing the max shutter value can result in motion blur.

- The shutter speed should be as slow as possible, which means you should set max shutter to the highest possible value.
- Reduce sharpness in the image.

### How to benefit from IR light in low-light conditions using night mode

Your camera uses visible light to deliver color images during the day. As light diminishes, you can set the camera to automatically shift to night mode. In night mode the camera uses both visible light and near-infrared light to deliver black-and-white images. Since the camera uses more of the available light it can deliver brighter, more detailed, images.

## AXIS Q35 Network Camera Series

### Setup

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1. Go to Settings > Image > Day and night, and make sure that the IR cut filter is set to Auto.

#### How to select exposure mode

There are different exposure mode options in the camera that adjusts aperture, shutter speed, and gain to improve image quality for specific surveillance scenes. Go to Settings > Image > Exposure and select between the following exposure modes:

- For most use cases, select **Automatic** exposure.
- For environments with certain artificial lighting, for example fluorescent lighting, select **Flicker-free**.  
Select the same frequency as the power line frequency.
- For environments with certain artificial light and bright light, for example outdoors with fluorescent lighting at night and sun during daytime, select **Flicker-reduced**.  
Select the same frequency as the power line frequency.
- To lock the current exposure settings, select **Hold current**.

#### How to stabilize a shaky image with Electronic Image Stabilization (EIS)

EIS can be used in environments where the product is mounted in an exposed location and subject to vibrations, for example, wind or passing traffic. Turn on EIS to get a smoother and steadier image without blur.

EIS also reduces the file size of the compressed image and lowers the bitrate of the video stream.

##### Note

When EIS is turned on the image is cropped slightly, lowering the maximum resolution.

1. Go to Settings > Image.
2. Turn on EIS.

#### How to handle scenes with strong backlight

Use WDR to make both dark and bright areas of the image visible.

1. Go to Settings > Image.
2. Turn on WDR under **Wide dynamic range**.



*Image without WDR.*

## AXIS Q35 Network Camera Series

### Setup

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*Image with WDR.*

#### Note

If you use WDR, you may experience some WDR artifacts in the image.

Find out more about WDR and how to use it at [axis.com/web-articles/wdr](https://axis.com/web-articles/wdr)

## Overlays

### About overlays

Overlays are superimposed over the video stream. They are used to provide extra information during recordings, such as a timestamp, or during product installation and configuration.

### How to show a text overlay when the camera detects motion

This example explains how to display the text "Motion detected" when the camera detects motion:

Make sure the AXIS Video Motion Detection application is running:

1. Go to **Settings > Apps > AXIS Video Motion Detection**.
2. Start the application if it is not already running.
3. Make sure you have set up the application according to your needs.

Add the overlay text:

4. Go to **Settings > Overlay**.
5. Enter #D in the text field.
6. Choose alignment, text size and appearance.
7. **Include** the text overlay.

Create an action rule:

8. Go to **System > Events > Action rules**.
9. Create an action rule with **AXIS Video Motion Detection** as trigger.
10. From the list of actions, select **Overlay text**.
11. Type "Motion detected".
12. Set the duration.

## AXIS Q35 Network Camera Series

### Setup

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#### Note

If you update the overlay text it will be automatically updated on all video streams dynamically.

### Streaming and storage

#### How to choose video compression format

Decide which compression method to use based on your viewing requirements, and on the properties of your network. The available options are:

##### Motion JPEG

Motion JPEG or MJPEG is a digital video sequence that is made up of a series of individual JPEG images. These images are then displayed and updated at a rate sufficient to create a stream that shows constantly updated motion. For the viewer to perceive motion video the rate must be at least 16 image frames per second. Full motion video is perceived at 30 (NTSC) or 25 (PAL) frames per second.

The Motion JPEG stream uses considerable amounts of bandwidth, but provides excellent image quality and access to every image contained in the stream.

##### H.264 or MPEG-4 Part 10/AVC

#### Note

H.264 is a licensed technology. The Axis product includes one H.264 viewing client license. Installing additional unlicensed copies of the client is prohibited. To purchase additional licenses, contact your Axis reseller.

H.264 can, without compromising image quality, reduce the size of a digital video file by more than 80% compared to the Motion JPEG format and by as much as 50% compared to the MPEG-4 standard. This means that less network bandwidth and storage space are required for a video file. Or seen another way, higher video quality can be achieved for a given bitrate.

#### How to reduce bandwidth and storage

#### Important

If you reduce the bandwidth it can result in loss of details in the picture.

1. Go to live view and select **H.264**.
2. Go to **Settings > Stream**.
3. Do one or more of the following:
  - Turn on the Zipstream functionality and select the desired level.
  - Turn on dynamic GOP and set a high GOP length value.
  - Increase the compression.
  - Turn on dynamic FPS.

#### How to set up network storage

To store recordings on the network, you need to set up network storage:

1. Go to **Settings > System > Storage**.
2. Click **Setup** under **Network storage**.
3. Enter the IP address of the host server.
4. Enter the name of the shared location on the host server.

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### Setup

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5. Move the switch if the share requires a login, and enter username and password.
6. Click **Connect**.

#### How to add audio to your recording

Edit the stream profile which is used for the recording:

1. Go to **Settings > System > Stream profiles**.
2. Select the stream profile to modify.
3. In the **Audio** tab, select the **Audio stream** checkbox and select **On** from the drop-down list.
4. Click **Ok**.

#### How to record and watch video

To record video you must first set up network storage, see *How to set up network storage on page 14*, or have an SD card installed.

1. Go to the camera's live view.
2. Click on **Record** once to start recording and one more time to stop recording.

To watch your recording:

1. Click on **Storage > Go to recordings**.
2. Select your recording in the list and it will play automatically.

### Events

#### About events

The event pages allow you to configure your product to perform actions when different events occur. For example, the product can start a recording or send an email notification when motion is detected. The set of conditions that defines how and when the action is triggered is called an action rule.

#### How to record video when the camera detects motion

This example explains how to set up the camera to start recording to the SD card five seconds before it detects motion and to stop one minute after.

Make sure the AXIS Video Motion Detection application is running:

1. Go to **Settings > Apps > AXIS Video Motion Detection**.
2. Start the application if it is not already running.
3. Make sure you have set up the application according to your needs.

Create an action rule:

4. Go to **Settings > System > Events** and add an action rule.
5. Type a name for the action rule.
6. From the list of triggers, select **Applications** and then select **AXIS Video Motion Detection (VMD)**.
7. From the list of actions, select **Record video**.
8. Select an existing stream profile or create a new one.

## AXIS Q35 Network Camera Series

### Setup

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9. Set the pre-trigger time to 5 seconds.
10. Set the post-trigger time to 60 seconds.
11. Select **SD card** from the list of storage options.
12. Click **Ok**.

#### How to detect tampering with input signal

This example explains how to trigger an alarm when the input signal has been cut or short-circuited. For more information about the I/O connector, see *page 22*.

1. Go to **Settings > System > I/O Ports** and enable **Supervised I/O** for one of the ports.

Create an action rule:

1. Go to **Settings > System > Events** and create an action rule.
2. Type a name for the action rule.
3. From the list of triggers, select **Input Signal** and then **Digital input port**. Select the port with Supervised I/O and set **Tampered** to **Yes**.
4. From the list of schedules, select **Always**.
5. From the list of actions, select **Send Notification** and then select a recipient or create a new recipient.
6. Click **OK**.

#### How to record video when the camera detects impact

Shock detection allows the camera to detect tampering caused by vibration or shock. Vibration caused by the environment or an object can trigger an action depending on the shock sensitivity range, which can be set from 0 to 100. In this scenario, someone is throwing rocks at the camera during after hours and you would like to receive a video clip of the event.

1. Go to **Settings > System > Detectors**.
2. Enable shock detection and set shock sensitivity value.
3. Click **Save**.

Create an action rule:

4. Go to **Settings > System > Events** and add an action rule.
5. Type a name for the action rule.
6. From the list of triggers, select **Detectors** and then select **Shock detection**.
7. From the list of schedules, select **After Hours**.
8. From the list of actions, select **Send Video Clip**.
9. Select an existing stream profile or create a new one.
10. Set the pre-trigger time to 5 seconds.
11. Set the post-trigger time to 60 seconds.
12. Select an existing recipient or create a new one.
13. Click **Ok**.



## AXIS Q35 Network Camera Series

### Setup

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#### Applications

##### About applications

AXIS Camera Application Platform (ACAP) is an open platform that enables third parties to develop analytics and other applications for Axis products. To find out more about available applications, downloads, trials and licenses, go to [axis.com/applications](https://axis.com/applications)

To find the user manuals for Axis applications, go to [axis.com](https://axis.com)

##### Note

- Several applications can run at the same time but some applications might not be compatible with each other. Certain combinations of applications might require too much processing power or memory resources when run in parallel. Verify that the applications work together before deployment.

## AXIS Q35 Network Camera Series

### Troubleshooting

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#### Troubleshooting

#### How to reset to factory default settings

##### Important

Reset to factory default should be used with caution. A reset to factory default resets all settings, including the IP address, to the factory default values.

To reset the product to the factory default settings:

1. Disconnect power from the product.
2. Press and hold the control button while reconnecting power. See *Product overview on page 5*.
3. 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 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
5. Use the installation and management software tools to assign an IP address, set the password, and access the video stream.


The installation and management software tools are available from the support pages on [axis.com/support](https://axis.com/support)

It is also possible to reset parameters to factory default via the web interface. Go to **Settings > System > Maintenance** and click **Default**.

#### How to check the current firmware

Firmware is the software that determines the functionality of network devices. One of your first actions when troubleshooting a problem should be to check the current firmware version. The latest version may contain a correction that fixes your particular problem.

To check the current firmware:

1. Go to the product's webpage.
2. Click on the help menu. 
3. Click **About**.

#### How to upgrade the firmware

##### Important

Preconfigured and customized settings are saved when the firmware is upgraded (provided that the features are available in the new firmware) although this is not guaranteed by Axis Communications AB.

##### Important

Make sure the product remains connected to the power source throughout the upgrade process.

##### Note

When you upgrade the product with the latest firmware, the product receives the latest functionality available. Always read the upgrade instructions and release notes available with each new release before upgrading the firmware. To find the latest firmware and the release notes, go to [axis.com/support/firmware](https://axis.com/support/firmware)

1. Download the latest firmware file to your computer, available free of charge at [axis.com/support/firmware](https://axis.com/support/firmware)

## AXIS Q35 Network Camera Series

### Troubleshooting

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2. Log in to the product as an administrator.
3. Go to **Settings > System > Maintenance** in the product's webpage and follow the instructions. When the upgrade has finished, the product restarts automatically.

AXIS Camera Management can be used for multiple upgrades. Find out more at [axis.com/products/axis-camera-management](https://axis.com/products/axis-camera-management)

### Technical issues, clues and solutions

If you can't find what you're looking for here, try the troubleshooting section at [axis.com/support](https://axis.com/support)

#### Problems upgrading the firmware

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Firmware upgrade failure	If the firmware upgrade fails, the product reloads the previous firmware. The most common reason is that the wrong firmware file has been uploaded. Check that the name of the firmware file corresponds to your product and try again.
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#### Problems setting the IP address

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The product is located on a different subnet	If the IP address intended for the product and the IP address of the computer used to access the product are located on different subnets, you cannot set the IP address. Contact your network administrator to obtain an IP address.
The IP address is being used by another device	<p>Disconnect the Axis product from the network. Run the ping command (in a Command/DOS window, type <code>ping</code> and the IP address of the product):</p> <ul style="list-style-type: none"> <li>If you receive: <code>Reply from &lt;IP address&gt;: bytes=32; time=10...</code> this means that the IP address may already be in use by another device on the network. Obtain a new IP address from the network administrator and reinstall the product.</li> <li>If you receive: <code>Request timed out</code>, this means that the IP address is available for use with the Axis product. Check all cabling and reinstall the product.</li> </ul>
Possible IP address conflict with another device on the same subnet	The static IP address in the Axis product is used before the DHCP server sets a dynamic address. This means that if the same default static IP address is also used by another device, there may be problems accessing the product.

#### The product cannot be accessed from a browser

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Cannot log in	<p>When HTTPS is enabled, ensure that the correct protocol (HTTP or HTTPS) is used when attempting to log in. You may need to manually type <code>http</code> or <code>https</code> in the browser's address field.</p> <p>If the password for the user <code>root</code> is lost, the product must be reset to the factory default settings. See <i>How to reset to factory default settings on page 18</i>.</p>
The IP address has been changed by DHCP	<p>IP addresses obtained from a DHCP server are dynamic and may change. If the IP address has been changed, use AXIS IP Utility or AXIS Camera Management to locate the product on the network. Identify the product using its model or serial number, or by the DNS name (if the name has been configured).</p> <p>If required, a static IP address can be assigned manually. For instructions, go to <a href="https://axis.com/support">axis.com/support</a></p>
Certificate error when using IEEE 802.1X	For authentication to work properly, the date and time settings in the Axis product must be synchronized with an NTP server. Go to <b>Settings &gt; System &gt; Date and time</b>

#### The product is accessible locally but not externally

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Router configuration	Check that your router allows incoming data traffic to the Axis product. The router must support UPnP®.
Firewall protection	Check the Internet firewall with your network administrator.

## AXIS Q35 Network Camera Series

### Troubleshooting

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#### Problems with streaming

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Multicast H.264 only accessible by local clients	Check if your router supports multicasting, or if the router settings between the client and the product need to be configured. The TTL (Time To Live) value may need to be increased.
No multicast H.264 displayed in the client	<p>Check with your network administrator that the multicast addresses used by the Axis product are valid for your network.</p> <p>Check with your network administrator to see if there is a firewall preventing viewing.</p>
Poor rendering of H.264 images	Ensure that your graphics card is using the latest driver. The latest drivers can usually be downloaded from the manufacturer's website.
Color saturation is different in H.264 and Motion JPEG	Modify the settings for your graphics adapter. Go to the adapter's documentation for more information.
Lower frame rate than expected	<ul style="list-style-type: none"> <li>• See <i>Performance considerations on page 20</i>.</li> <li>• Reduce the number of applications running on the client computer.</li> <li>• Limit the number of simultaneous viewers.</li> <li>• Check with the network administrator that there is enough bandwidth available.</li> <li>• Lower the image resolution.</li> <li>• In the product's webpage, set a capture mode that prioritizes frame rate. Changing the capture mode to prioritize frame rate might lower the maximum resolution depending on the product used and capture modes available.</li> <li>• The maximum frames per second is dependent on the utility frequency (60/50 Hz) of the Axis product.</li> </ul>

### Performance considerations

When setting up your system, it is important to consider how various settings and situations affect the performance. Some factors affect the amount of bandwidth (the bitrate) required, others can affect the frame rate, and some affect both. If the load on the CPU reaches its maximum, this also affects the frame rate.

The following factors are the most important to consider:

- High image resolution or lower compression levels result in images containing more data which in turn affects the bandwidth.
  - Access by large numbers of Motion JPEG or unicast H.264 clients affects the bandwidth.
  - Simultaneous viewing of different streams (resolution, compression) by different clients affects both frame rate and bandwidth.
- Use identical streams wherever possible to maintain a high frame rate. Stream profiles can be used to ensure that streams are identical.
- Accessing Motion JPEG and H.264 video streams simultaneously affects both frame rate and bandwidth.
  - Heavy usage of event settings affects the product's CPU load which in turn affects the frame rate.
  - Using HTTPS may reduce frame rate, in particular if streaming Motion JPEG.
  - Heavy network utilization due to poor infrastructure affects the bandwidth.
  - Viewing on poorly performing client computers lowers perceived performance and affects frame rate.
  - Running multiple AXIS Camera Application Platform (ACAP) applications simultaneously may affect the frame rate and the general performance.

## AXIS Q35 Network Camera Series

### Specifications

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#### Specifications

To find the latest version of the product's datasheet, go to the product page on [axis.com](http://axis.com) and locate **Support & Documentation**.

#### LED indicators

Status LED	Indication
Unlit	Connection and normal operation.
Green	Shows steady green for 10 seconds for normal operation after startup completed.
Amber	Steady during startup. Flashes during firmware upgrade or reset to factory default.
Amber/Red	Flashes amber/red if network connection is unavailable or lost.

#### Status LED behavior and buzzer signal for leveling assistant

For information on the function button used for leveling the image, see [page 21](#).

Color	Buzzer	Camera position
Fixed green	Continuous beep	Level
Flashing green	Fast beeps	Almost level
Flashing orange	Medium beeps	Not level
Flashing red	Slow beeps	Far from level

#### SD card slot

##### NOTICE

- Risk of damage to SD card. Do not use sharp tools, metal objects, or excessive force when inserting or removing the SD card. Use your fingers to insert and remove the card.
- Risk of data loss and corrupted recordings. Do not remove the SD card while the product is running. Unmount the SD card from the product's webpage before removal.

This product supports microSD/microSDHC/microSDXC cards.

For SD card recommendations, see [axis.com](http://axis.com)

#### Buttons

##### Control button

The control button is used for:

- Resetting the product to factory default settings. See *How to reset to factory default settings on page 18*.
- Connecting to an AXIS Video Hosting System service. To connect, press and hold the button for about 3 seconds until the status LED flashes green.

##### Function Button

The function button has multiple functions:

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### Specifications

- **As leveling Assistant** – This function helps to ensure the image is level. Press the button for about 2 seconds to start the leveling assistant and press again to stop. The status LED (see ) and buzzer signal assist leveling of the image. The image is level when the buzzer beeps continuously.
- **To view the Status LED** – Press the button once to light up the Status LEDs. Press again to turn them off. The LEDs will turn off automatically after 10 seconds.

### Connectors

#### Network connector

RJ45 Ethernet connector with Power over Ethernet (PoE).

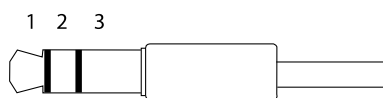
#### Audio connector

The Axis product has the following audio connectors:

- **Audio in (pink)** – 3.5 mm input for a mono microphone, or a line-in mono signal.
- **Audio out (green)** – 3.5 mm output for audio (line level) that can be connected to a public address (PA) system or an active speaker with a built-in amplifier. It is recommended to use a stereo connector for audio out.

For audio in, the left channel is used from a stereo signal.

3.5 mm audio connectors  
(stereo)



	1 Tip	2 Ring	3 Sleeve
Audio Input	Microphone/Line in	Microphone bias voltage	Ground
Audio Output	Line out, mono	Line out, mono	Ground

#### I/O connector

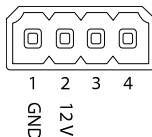
Use the I/O connector with external devices in combination with, for example, motion detection, event triggering, and alarm notifications. In addition to the 0 V DC reference point and power (DC output), the I/O connector provides the interface to:

**Digital input** – For connecting devices that can toggle between an open and closed circuit, for example PIR sensors, door/window contacts, and glass break detectors.

**Supervised input** – Enables possibility to detect tampering on a digital input.

**Digital output** – For connecting external devices such as relays and LEDs. Connected devices can be activated by the VAPIX® Application Programming Interface or in the product's webpage.

4-pin terminal block

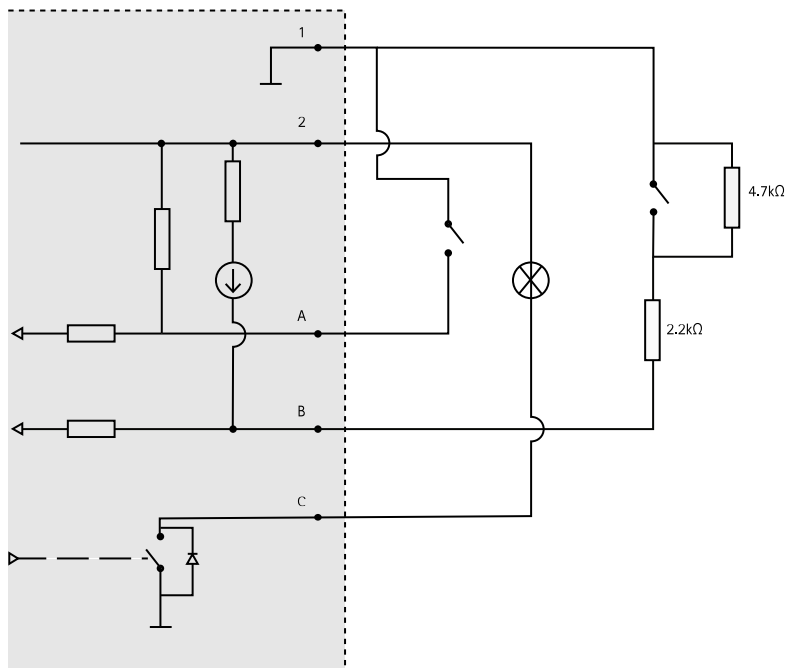


Function	Pin	Notes	Specifications
0 V DC (-)	1	DC ground	0 V DC

## AXIS Q35 Network Camera Series

### Specifications

DC output	2	Can be used to power auxiliary equipment. Note: This pin can only be used as power out.	12 V DC Max load = 50 mA
Configurable (Input or Output)	3-4	Digital input or Supervised input – Connect to pin 1 to activate, or leave floating (unconnected) to deactivate. To use supervised input, install end-of-line resistors. See connection diagram for information about how to connect the resistors.	0 to max 30 V DC
		Digital output – Connect to pin 1 to activate, or leave floating (unconnected) to deactivate. If used with an inductive load, e.g., a relay, connect a diode in parallel with the load, to protect against voltage transients.	0 to max 30 V DC, open drain, 100 mA



- 1 0 V DC (-)
- 2 DC output 12 V, max 50 mA
- A I/O configured as input
- B I/O configured as supervised input
- C I/O configured as output

#### Power connector

2-pin terminal block for DC power input. Use a Safety Extra Low Voltage (SELV) compliant limited power source (LPS) with either a rated output power limited to  $\leq 100$  W or a rated output current limited to  $\leq 5$  A.

