



Installation Instruction

IPS Video Analytics for Axis ACAP Cameras and Encoders

Contents

1	Axis camera configuration	1
1.1	IP configuration	1
1.2	Setting up date and time	4
1.3	Enable Anonymous viewer login	5
2	Installing an IPS Analytics Application	6
3	Licensing	7
3.1	Manual licensing	7
3.1.1	Requesting a licence key file	7
3.1.2	Licensing the Analytics Application	9
3.2	Automatic licensing	11
4	Upgrading	13
5	Backup and Restore of an Analytics Configuration	13

1 Axis camera configuration

1.1 IP configuration

The IP configuration procedure described below assigns a fixed IP address to the camera.

Note: There are two ways to access the TCP/IP Settings dialog. They are:

- **Setup | Basic Setup | TCP / IP**
- **Setup | System Options | Network | TCP/IP | Basic**

The second access option is used in the following description.

1. Open the camera's website.
2. Select **Setup | System Options | Network | TCP/IP | Basic**.
3. Enter the IP address and the subnet mask.
4. Enter the address of your router in the **Default router** field.
5. Click the **Save** button.



- ▶ Basic Setup
- ▶ Video
- ▶ Live View Config
- ▶ PTZ
- ▶ Detectors
- ▶ Applications
- ▶ Events
- ▶ Recordings
- Languages
- ▼ System Options
 - ▶ Security
 - Date & Time
 - ▼ Network
 - ▼ TCP/IP
 - Basic**
 - Advanced
 - SOCKS
 - QoS
 - SNMP
 - UPnP™
 - RTP
 - Bonjour
 - ▶ Storage
 - ▶ Ports & Devices
 - Maintenance
 - ▶ Support
 - ▶ Advanced
- About

Basic TCP/IP Settings ?

Network Settings

View current network settings: View

IPv4 Address Configuration

Enable IPv4

Obtain IP address via DHCP

Use the following IP address:

IP address: Test

Subnet mask:

Default router:

IPv6 Address Configuration

Enable IPv6

Services

Enable ARP/Ping setting of IP Address

Enable AVHS

One-click enabled Always

Proxy:

Proxy port:

Proxy login:


Proxy password:

Proxy authentication method: Basic Digest Auto

AXIS Internet Dynamic DNS Service Settings...

Save Reset

6. Select **Advanced**.
7. Enter the address of a DNS server (e.g. 8.8.8.8) in the **Primary DNS server** field under **Setup | System Options | Network | TCP/IP | Advanced**.
8. Click the **Save** button.


AXIS Q7406 Video Encoder
Live View | Setup | Help

- ▶ Basic Setup
- ▶ Video
- ▶ Live View Config
- ▶ PTZ
- ▶ Detectors
- ▶ Applications
- ▶ Events
- ▶ Recordings
- Languages
- ▼ **System Options**
 - ▶ Security
 - ▶ Date & Time
 - ▼ Network
 - ▼ TCP/IP
 - Basic
 - Advanced**
 - SOCKS
 - QoS
 - SNMP
 - UPnP™
 - RTP
 - Bonjour
 - ▶ Storage
 - ▶ Ports & Devices
 - ▶ Maintenance
 - ▶ Support
 - ▶ Advanced
- About

Advanced TCP/IP Settings ?

DNS Configuration

Obtain DNS server address via DHCP View

Use the following DNS server address:

Domain name: (use ; to separate names)

Primary DNS server:

Secondary DNS server:

NTP Configuration

Obtain NTP server address via DHCP View

Use the following NTP server address:

Network address: (host name or IP address)

Host Name Configuration

Use the host name:

Enable dynamic DNS updates

Register DNS name: (Axisproduct.example.com)

TTL:

Link-Local IPv4 Address

Auto-Configure Link-Local Address View

HTTP

HTTP port:

HTTPS

HTTPS port:

NAT traversal (port mapping) for IPv4

NAT traversal is disabled. Enable

Use manually selected NAT router: (LAN IP address)

Alternative HTTP port: *

* If set to blank or 0, a port number will be set automatically upon enable.

FTP

Enable FTP server

RTSP

Enable RTSP server*

RTSP port:

* H.264 video streams will be unavailable if this is disabled.



1.2 Setting up date and time

1. Select **Setup | System Options | Date & Time**.
2. Select the appropriate **Time zone**.
3. Select the **Time mode**.
4. Click the **Save** button.

AXIS Q7406 Video Encoder

[Live View](#) | [Setup](#) | [Help](#)

- ▶ Basic Setup
- ▶ Video
- ▶ Live View Config
- ▶ PTZ
- ▶ Detectors
- ▶ Applications
- ▶ Events
- ▶ Recordings
- ▶ Languages
- ▼ System Options
 - ▶ Security
 - ▶ **Date & Time**
 - ▶ Network
 - ▶ Storage
 - ▶ Ports & Devices
 - ▶ Maintenance
 - ▶ Support
 - ▶ Advanced
- ▶ About

Date & Time Settings ?

Current Server Time

Date: Time:

New Server Time

Time zone:

Automatically adjust for daylight saving time changes.

Time mode:

Synchronize with computer time

Date: Time:

Synchronize with NTP server

NTP server: [172.17.66.56](#)

Set manually

Date: Time:

Date & Time Format Used in Images

Specify date format: Predefined

Own

Specify time format: Predefined With resolution:

Own



1.3 Enable Anonymous viewer login

When the WebViewer is started some browsers request the password for a second time. In other cases the warning message “MJPEG stream not accessible, falling back to frame polling” is displayed. To avoid both effects, make the following setting:

1. Select **Setup | Basic Setup | Users**.
2. Select the option **Enable anonymous viewer login**.

Notes:

In **Internet Explorer** the frame rate for the live image is 1 frame per second.

For **Firefox** and **Safari** the following is true:

If **Anonymous viewer login** in the camera is **enabled**, images are displayed with the full frame rate;

if **Anonymous viewer login** in the camera is **disabled**, the frame rate drops to 1 fps.

The screenshot shows the web interface for an AXIS P1346 Network Camera. The page title is "AXIS P1346 Network Camera" and it includes navigation links for "Live View", "Setup", and "Help". The left sidebar contains a menu with "Basic Setup" expanded, showing options like "Users", "TCP/IP", "Date & Time", "Video Stream", "Focus", and "Audio Settings". The main content area is titled "Users" and features a "User List" table with columns for "User Name", "User Group", and "User Info". The table contains one entry: "root" with the group "Administrator". Below the table are buttons for "Add...", "Modify...", and "Remove". A section titled "HTTP/RTSP Password Settings" has a dropdown menu set to "Encrypted & unencrypted". The "User Settings" section has three checkboxes: "Enable anonymous viewer login (no user name or password required)" (checked), "Enable anonymous PTZ control login (no user name or password required)" (unchecked), and "Enable Basic Setup" (checked). "Save" and "Reset" buttons are at the bottom.

User Name	User Group	User Info
root	Administrator	



2 Installing an IPS Analytics Application

The procedure for installing the **IPS AnalyticsManager (Axis)** and for installing an **IPS Analytics application** is the same. In the following the term **IPS Analytics Application** denotes one of the two.

AnalyticsManager (Axis) and one Analytics application can simultaneously be installed on a camera which fulfils the requirements for the master camera (see the Compatibility list for details).

From IPS you receive a **licence code** and access data for downloading the application file from the IPS web site.

Download the application file. To be able to select the suitable application file you need to have the following information: name of the Analytics application (e.g. IPS Intrusion Detection), camera chip type (e.g. ARTPEC-4), and the camera firmware version (e.g. 5.60). As you can see from the following example, the appropriate details can be found in the application file name.

Application file name example: IPS-Intrusion_V7.0r000_artpec45_fw540.eap

Use the following procedure to load the application file into the camera:

1. Connect the camera to the PC running the browser (Microsoft Internet Explorer or Mozilla Firefox) you intend to use to load the application file into the camera.
2. Launch the browser and open the camera's website.
3. Click on **Setup**.
4. Select **Applications**.
5. Click the **Browse...** button.
6. Select the folder where you saved the application file and select the file.
7. Click the **Upload Package** button.
8. Wait until the application appears in the **Installed Applications** list.

Attention: Do not click **Start** until you have **licensed** the application.

Note: If you use a multi-channel encoder Analytics is available only on channel 1.

The screenshot shows the web interface for an AXIS Q1765-LE Network Camera. The page title is "AXIS Q1765-LE Network Camera" and it includes links for "Live View", "Setup", and "Help". A navigation menu on the left lists various settings categories, with "Applications" expanded to show "Overview" and "IPS Intrusion".

The main content area is titled "Application Packages" and contains an "Upload Application" section with a file selection button and an "Upload Package" button. Below this is an "Installed Applications" table:

Application	Version	Vendor	Status	License
IPS Intrusion Detection	7.0000	IPS	Stopped	Missing

At the bottom of the table, there are four buttons: "Start", "Stop", "Remove", and "Log".

3 Licensing

Important note: Due to the Axis licensing procedure a licence generated using automatic licensing cannot be used any longer after an Analytics Application or firmware update. Therefore **manual licensing is strongly recommended**.

If your camera or encoder has Internet access and you nevertheless want to use **automatic** licensing, proceed as described in the “Automatic licensing” section.

3.1 Manual licensing

3.1.1 Requesting a licence key file

The Analytics Application must be licensed before you use (start) it.

Use the following procedure:

1. Locate the **serial number** of the device (camera or encoder) on its website (under **Setup | Basic Setup | Instructions**). The serial number equals the MAC address without the colons.
2. Open the **Axis website** (www.axis.com).
3. Select **Products & solutions | Analytics & other applications**.
4. Click on **License key registration**.
5. Enter the **license code** (you received from Securiton by e-mail) and the **serial number**, and click on **Confirm**.

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[Industries & applications](#) [Products & solutions](#) [Learning & support](#) [How & where to buy](#) [My Axis](#)

Home > Products & solutions > Analytics & other applications > License key registration

License key registration

Compatible applications

Request Activation key:

To retrieve your Activation key (License key) please enter your **License code** along with the **Serial number** of the device you wish to install it on.

Alternatively, enter your **Serial number** and select an **Application**.

Note: The actual application is provided by the application vendor. Here you can get the key to activate/enable the application once you installed it on your Axis product.

Get Activation key:

License code:
Serial number:

OR

Get Trial key:

Application:
Serial number:

[I have lost my License code\(s\)](#)



6. Check if your data is correct.
7. Click on **Confirm**.

License key registration

Compatible applications

Request Activation key:

To retrieve your Activation key (License key) please enter your **License code** along with the **Serial number** of the device you wish to install it on.

Alternatively, enter your **Serial number** and select an **Application**.

Note: The actual application is provided by the application vendor. Here you can get the key to activate/enable the application once you installed it on your Axis product.

Get Activation key:

License code:

Serial number:

Get Trial key:

Application:

Serial number:

You want to generate a License key for Application **IPS-Intrusion ver 2.105 - 7.99999** installed on an **AXIS Q3505-V Fixed Dome Network Camera** to

Email:

[I have lost my License code\(s\)](#)

8. Click the **download link** for the **licence key file**.
9. Save the licence key file.

License key registration

Compatible applications

Request Activation key:

To retrieve your Activation key (License key) please enter your **License code** along with the **Serial number** of the device you wish to install it on.

Alternatively, enter your **Serial number** and select an **Application**.

Note: The actual application is provided by the application vendor. Here you can get the key to activate/enable the application once you installed it on your Axis product.

Get Activation key:

License code:

Serial number:

Get Trial key:

Application:

Serial number:

Your license key was successfully generated:



[ips-intrusion_acc8e0c973f.key](#)

[Get new License key](#)

[I have lost my License code\(s\)](#)





3.1.2 Licensing the Analytics Application

Use the following procedure to license the application in the camera or encoder:

1. Open the camera's website.
2. Select **Setup | Applications | <application name> | License**.
Replace **<application name>** by the name of the analytics application installed on your camera or encoder.
3. Under **Manual installation** click the **Browse...** button.
4. Select the licence key file.
5. Click the **Install** button.

The screenshot shows the web interface for an AXIS Q7406 Video Encoder. The page title is "AXIS Q7406 Video Encoder" and the sub-page title is "License: IPS Intrusion Detection". The interface includes a navigation menu on the left with options like Basic Setup, Video, Live View Config, PTZ, Detectors, Applications (with sub-options Overview, IPS Intrusion, Settings, License, About), Events, Recordings, Languages, System Options, and About. The main content area is divided into three sections: "Installed license key" with a text input field and a "Remove" button; "Manual installation" with instructions to go to www.axis.com and a "License key file to upload:" field with a "Browse..." button and an "Install" button; and "Automatic installation" with "License code:" and "Email:" input fields and an "Install" button.



- ▶ [Basic Setup](#)
- ▶ [Video](#)
- ▶ [Live View Config](#)
- ▶ [PTZ](#)
- ▶ [Detectors](#)
- ▶ [Applications](#)
 - Overview
 - ▶ [IPS Intrusion](#)
 - [Settings](#)
 - [License](#)
 - [About](#)
- ▶ [Events](#)
- ▶ [Recordings](#)
- [Languages](#)
- ▶ [System Options](#)
- [About](#)

License: IPS Intrusion Detection ?

Installed license key

```
Info: License key for application IPS-Intrusion by IPS Intelligent
Video Analytics (Securiton)

FormatVersion: 1
ApplicationID: 29279
MinimumMajorVersion: -1
MinimumMinorVersion: -1
MaximumMajorVersion: -1
MaximumMinorVersion: -1
ExpirationDate: 0
DeviceID: 00408CA95B3F
SignatureKeyID: 1
Signature: aRpdKzZdh/mc4lZhEQTfGzdP7UrQC1xq8NvrJys7M3v9u1SHox+1qleH17HV
+3zQTueFtR1zCmMls1UOUx9cyuZKznpS2L+IeyFDEXpono7TNJ0xSM3jJ2smu0s68uurl
yXOdVRjrj2L3nWd1928xlmhx3CIZzWcraMP6EHcgk=
```

Manual installation

To retrieve a license key for this application, go to www.axis.com and enter your license code together with the serial number of this device. This device's serial number is: **00408CA95B3F**.

License key file to upload:

Automatic installation

License code:

Email:



6. Select **Applications**.
7. Select the Analytics Application.
8. Click the **Start** button.

AXIS Q1765-LE Network Camera Live View | Setup | Help

Application Packages ?

Upload Application

Select package file to upload: Keine Datei ausgewählt. and click

Installed Applications


Application	Version	Vendor	Status	License
IPS Intrusion Detection	7.0000	IPS	Stopped	Valid

3.2 Automatic licensing

If the camera in which you wish to license the analytics application has Internet access, you can license it automatically. Use the following procedure:

1. Open the camera's website.
2. Enter the address of your router in the **Default router** field under **Setup | System Options | Network | TCP/IP | Basic**.
3. Click the **Save** button.
4. Enter the address of the DNS server (e.g. 8.8.8.8) in the **Primary DNS server** field under **Setup | System Options | Network | TCP/IP | Advanced**.
5. Click the **Save** button.
6. Select **Setup | Applications | <application name> | License**.
Replace **<application name>** by the name of the analytics application installed on your camera or encoder.
7. Enter the licence code (that you received from Securiton by e-mail) in the **License code** field of the **Automatic installation** pane.
8. Enter the customer information.
9. Click the **Install** button.





AXIS Q7406 Video Encoder

Live View | Setup | Help

- Basic Setup
- Video
- Live View Config
- PTZ
- Detectors
- Applications**
 - Overview
 - IPS Intrusion
 - Settings
 - License**
 - About
- Events
- Recordings
- Languages
- System Options
- About

License: IPS Intrusion Detection

Installed license key

Remove


Manual installation


To retrieve a license key for this application, go to www.axis.com and enter your license code together with the serial number of this device. This device's serial number is: **00408CA95B3F**.


License key file to upload:

Install

Automatic installation

License code: 

Email: * 

Install 

10. Select **Applications**.
11. In the Installed Applications list select the Analytics Application.
12. Click the **Start** button.



4 Upgrading

For upgrades of a Analytics Application the following rules apply:

- An update is only possible if the licensing has been made using **Manual licensing**.
- A new minor version may be licensed with the same licence key file as the previous version.
- For a new major version a new licence must be purchased.

Important notes:

1. If you upgrade an **analytics application**, the configuration data is lost. If you want to maintain it, you have to **save it before the upgrade** and restore it afterwards.
For details on preserving the **Analytics configuration** refer to the section **Saving and restoring an Analytics configuration**.
2. If you upgrade the **AnalyticsManager (Axis)**, the configuration data is also lost. To maintain it, save it in the download directory by clicking on **Save** in the AnalyticsManager System Configuration.

Use the following procedure to update an IPS Analytics Application:

1. Open the camera's website.
2. Select **Setup | Applications**.
3. Under **Installed Applications** select the application.
4. Click the **Stop** button.
5. Click the **Remove** button.
6. Load the new version of the application as described under **Installing an IPS Analytics Application**.
7. License the new version as described under **Licensing the Analytics Application** in the **Manual licensing** section.
8. Configure the Analytics Application.

5 Backup and Restore of an Analytics Configuration

At the last step of an Analytics configuration you can save a copy of the settings on the hard disk of your PC. When you click on **Backup**, a file with the settings is stored to the **download directory**. The name of the file is generated automatically. It is structured as follows: ips-analytics-config_<camera UID>. The camera UID is a number which AnalyticsManager automatically creates when you add a camera.

At the first step of an Analytics configuration you can load previously saved settings by clicking on **Restore**. The Web Analytics Configuration then opens a dialog, in which you can select the settings file. Click on **Open** to load the file.

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