



# AXIS 213 PTZ Network Camera

## Installation Guide

ENGLISH

DEUTSCH

FRANCAIS

ESPAÑOL

ITALIANO



# AXIS 213 Installation Guide

Please observe the following before installing the AXIS 213 PTZ Network Camera.

- This product is designed for indoor use or in locations where it is protected from rain and moisture. To operate the camera in these conditions, use the outdoor housing accessories.
- Do not use strong or abrasive detergents when cleaning the casing. Use a mild detergent and wipe gently.
- Never position the camera directly towards the sun or other bright objects. Whether the camera is in use or not, never aim it at the sun or other extremely bright objects.

## Connecting the Hardware

If the AXIS 213 is to be mounted in a position where it is difficult to access, it is recommended that you set the IP address and get the camera up and running before completing the hardware installation, i.e. skip step 1 below until the installation is completely verified.

The AXIS 213 PTZ Network Camera is supplied with a bracket for ceiling mounting.

1. Drill two holes in the ceiling and secure the bracket with the appropriate screws according to the ceiling material.
2. Connect a standard network cable to your AXIS 213 and connect it to the network.
3. Optionally connect the Connection Module (not supplied) to the camera.
4. Connect the power cable.
5. The hardware installation is now complete, proceed to *Setting the IP address*, on page 4.



**Note:** If the AXIS 213 is to be placed upright on a desktop, remove the four screws on the underside of the unit to remove the bracket. Place the adhesive plastic feet by the screw holes.

## Setting the IP address

The AXIS 213 is designed for use on an Ethernet network and must be assigned an IP address to make it accessible.

### AXIS IP Utility

AXIS IP Utility is the recommended method for setting an IP address in Windows. This free application can be used on networks with or without a DHCP server. See page 5 for more information.

## All installation methods

This table shows all of the available methods for setting or discovering the IP address. Select a method from the left-hand column and check the requirements for it to the right.

Installation methods ↓	Requirements →	DHCP Server in network	Install on same network segment	Internet connection with no HTTP proxy	Operating system
AXIS IP Utility (recommended method) See page 5		Optional	Required		Windows
UPnP™ See page 6		Optional	Required		Windows (ME or XP)
ARP/Ping See page 6			Required		All
AXIS Dynamic DNS Service See page 7		Recommended		Required	All
View DHCP server admin pages for IP address (See note below)		Required			All

- Notes:**
- UPnP™ and DHCP are both enabled by default in the AXIS 213.
  - The AXIS 213 has the default IP address 192.168.0.90
  - To view the admin pages for the DHCP server, please see the server's own documentation. You may need to contact your network administrator.
  - If setting the IP address fails, check that there is no firewall blocking the operation.

## AXIS IP Utility

AXIS IP Utility is a free Windows application that discovers and displays Axis devices on your network.

The application can also be used to manually set a static IP address.

Note that you must install the PTZ network camera on the same network segment (physical subnet) as the computer running AXIS IP Utility.

AXIS IP Utility is available on the CD supplied with this product, or it can be downloaded from [www.axis.com](http://www.axis.com)

### Automatic discovery

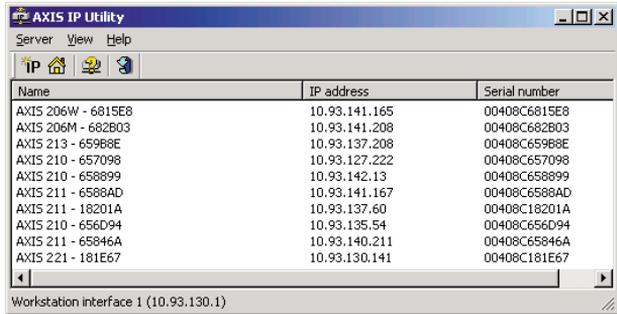
1. Check that the PTZ network camera is connected to the network and that power has been applied.
2. Start AXIS IP Utility. When the PTZ network camera appears in the window, double-click it to open the camera's home page.
3. See page 8 for instructions on how to set the password.

### Set the IP address manually

1. Acquire an unused IP address on the same network segment your computer is connected to. Locate the serial number (S/N) on the camera's underside label.
2. Click the button  (Set IP address using serial number) and enter the serial number and IP address for the PTZ network camera.
3. Click the Set IP button and then restart the PTZ network camera (within 2 minutes).
4. Click View Home Page to access the PTZ network camera's web pages.
5. See page 8 for instructions on how to set the password.

Note:

AXIS IP Utility can be used to change a dynamically set IP address to a static one.



## UPnP™

UPnP™ functionality is enabled by default in the AXIS 213. If also enabled on your computer (Windows ME or XP), the PTZ network camera will automatically be detected and a new icon will be added to “My Network Places.” Click this icon to access the PTZ network camera. See also page 8 for instructions on how to set the password.

### Note:

To install the UPnP™ service on your computer, open the Control Panel from the **Start Menu** and select **Add/Remove Programs**. Select **Add/Remove Windows Components** and open the **Networking Services** section. Click **Details** and then select **UPnP** as the service to add.

UPnP™ is a certification mark of the UPnP™ Implementers Corporation.

## Manual Installation with ARP/Ping

1. Acquire an unused IP address on the same network segment as your computer.
2. Locate the serial number (S/N) on the camera's underside label.
3. Open a Command Prompt on your computer. As appropriate for your operating system, enter the following commands:

<b>Windows syntax:</b>	<b>Windows example:</b>
arp -s <IP Address> <Serial Number> ping -l 408 -t <IP Address>	arp -s 192.168.0.125 00-40-8c-18-10-00 ping -l 408 -t 192.168.0.125
<b>UNIX/Linux/Mac syntax:</b>	<b>UNIX/Linux/Mac example:</b>
arp -s <IP Address> <Serial Number> temp ping -s 408 <IP Address>	arp -s 192.168.0.125 00:40:8c:18:10:00 temp ping -s 408 192.168.0.125

4. Check that the network cable is connected. Start/restart the camera by disconnecting and reconnecting power, which must be done within 2 minutes of entering the ARP command.
5. Close the Command prompt when you see 'Reply from 192.168.0.125: ...' or similar.
6. Start your browser, type in http://<IP address> in the Location/Address field and press Enter on your keyboard.
7. See page 8 for instructions on how to set the password.

**Notes:**

- To open a command prompt in Windows: from the Start menu, select Run... and type cmd (or command in Windows 98/ME). Click OK.
- To use the ARP command on a Mac OS X, use the Terminal utility, which is found under Applications > Utilities.

## The AXIS Internet Dynamic DNS Service

The AXIS Internet Dynamic DNS Service is a free service provided by Axis. This service allows you to quickly and simply install your camera, which then receives a static name (DNS name) and a dynamic IP address. More information about the AXIS Internet Dynamic DNS Service is available at [www.axiscam.net](http://www.axiscam.net)

To perform this procedure, your network should have an Internet connection with no HTTP proxy, and IP addresses should preferably be assigned via DHCP.

1. Connect the AXIS 213 to your local network, using a standard network cable.
2. Connect power to the camera.
3. Wait 60 seconds and, using a suitably pointed object, push the reset button on the underside of the camera once.
4. Visit [www.axiscam.net](http://www.axiscam.net) where you will be guided through the remainder of the installation. Please have the serial number of your product ready and follow the instructions on the screen.

The serial number/MAC address (S/N) is located on the label on the underside of the AXIS 213

5. Enter a password for the root user (administrator).
6. If required, accept the installation of **AMC** onto your workstation. See *AXIS Media Control (AMC)*, on page 9 for more information.
7. The installation is now complete.

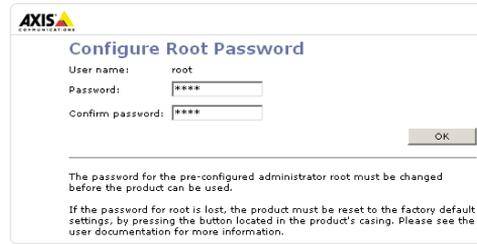
### Note:

Please note that this procedure will send the IP address, firmware version, product type, serial number and HTTP port number of the PTZ network camera to the AXIS Internet Dynamic DNS Service. No personal information is transferred.

To remove the DNS name and unregister from this service, open the Setup pages in the PTZ network camera, click **System Options > Network > TCP/IP > Basic**, click the **Settings** button for the AXIS Internet Dynamic DNS Service and finally, click the **Remove** button.

## Setting the Password

1. When accessing the AXIS 213 for the first time, the Configure Root Password dialog will be displayed on the screen.
2. Enter a password and then re-enter it, to confirm the spelling. Click OK.
3. The Enter Network Password dialog will appear. Enter the User name: root  
**Note:** The default administrator user name root is permanent and cannot be deleted.
4. Enter the password as set in step 2 above, and click OK. If the password is lost, the AXIS 213 must be reset to the factory default settings. See page 9.
5. If required, click Yes to install AMC (AXIS Media Control), to allow viewing of the video stream in your browser. You will need administrator rights on the computer to do this.
6. The Live View page of the AXIS 213 is displayed, complete with links to the Setup tools, which allow you to customize the camera to your specific needs.



**Configure Root Password**

User name: root

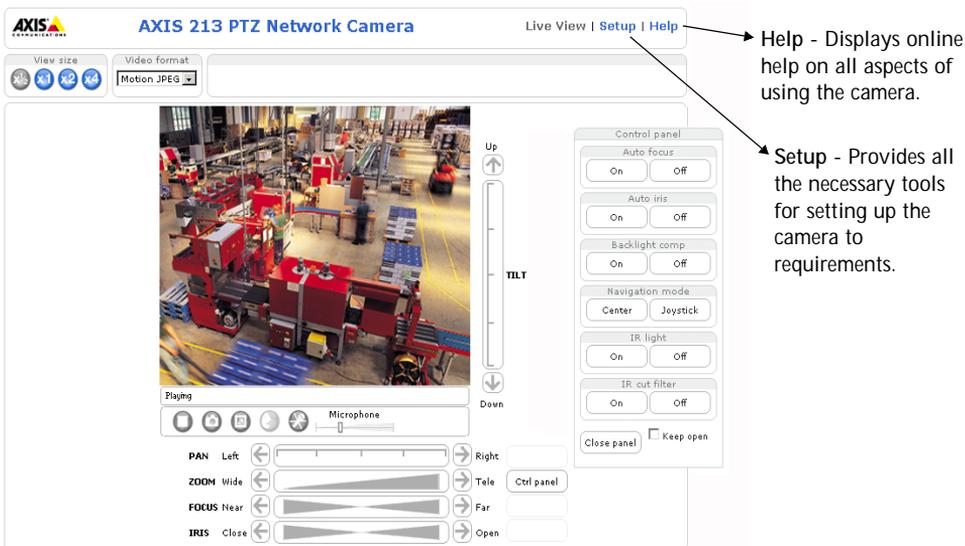
Password: \*\*\*\*

Confirm password: \*\*\*\*

OK

The password for the pre-configured administrator root must be changed before the product can be used.

If the password for root is lost, the product must be reset to the factory default settings, by pressing the button located in the product's casing. Please see the user documentation for more information.



**AXIS 213 PTZ Network Camera** Live View | Setup | Help

View size: [Icons] Video format: Motion JPEG

Up TILT Down

Playing Microphone

PAN Left Right ZOOM Wide Tale FOCUS Near Far IRIS Close Open

Control panel

Auto focus: On Off

Auto iris: On Off

Backlight comp: On Off

Navigation mode: Center Joystick

IR light: On Off

IR cut filter: On Off

Close panel [ ] Keep open

Ctrl panel

Help - Displays online help on all aspects of using the camera.

Setup - Provides all the necessary tools for setting up the camera to requirements.

## AXIS Media Control (AMC)

AXIS Media Control (AMC) is an ActiveX component required for Microsoft Internet Explorer, and is installed automatically on first use.

AMC must be installed for audio support and for viewing live images in Microsoft Internet Explorer. If your working environment restricts additional software components, you can configure your AXIS 213 to use a Java applet for updating the images (applies to video images, not audio). See the online help files under **Live View Config > Layout > Default Viewer** for Internet Explorer. Alternatively, use another supported Web browser.

Once AMC is installed, the AMC viewer toolbar will display the audio controls and additional video controls.

## Accessing the AXIS 213 from the Internet

Once installed, your PTZ network camera is accessible on your local network (LAN). To access the PTZ network camera from the Internet, network routers must be configured to allow incoming traffic, which is usually done on a specific port. Please refer to the documentation for your router for further instructions.

For more information on this and other topics, please visit the Axis Support Web at [www.axis.com/techsup](http://www.axis.com/techsup)

## Resetting to the factory default settings

This will reset all parameters, including the IP address, to the Factory Default settings:

1. Disconnect power from the camera.
2. Press and hold the Reset button (on the underside of the camera) and reconnect power.
3. Keep the button pressed for 15 seconds, and then release it.
4. Re-install the camera using one of the methods described in this document.

## Further information

For further information, please see the AXIS 213 User's Manual, which is available on the CD included in this package. Updated versions can be obtained from [www.axis.com](http://www.axis.com)

