# **INSTALLATION GUIDE**

AXIS P5534 Outdoor T95A00 Kit

AXIS P5534 Outdoor T95A10 Kit



#### Legal Considerations

Video and audio surveillance can be prohibited by laws that vary from country to country. Check the laws in your local region before using this product for surveillance purposes.

This product includes one (1) H.264 decoder license. To purchase further licenses, contact your reseller.

#### Trademark Acknowledgments

Apple, Boa, Bonjour, Ethernet, Internet Explorer, Linux, Microsoft, Mozilla, Netscape Navigator, OS/2, Real, SMPTE, QuickTime, UNIX, Windows, WWW are registered trademarks of the respective holders. Java and all Java-based trademarks and logos are trademarks or registered trademarks of Sun Microsystems, Inc. in the United States and other countries. Axis Communications AB is independent of Sun Microsystems Inc. UPnP<sup>™</sup> is a certification mark of the UPnP<sup>™</sup> Implementers Corporation.

#### **Electromagnetic Compatibility (EMC)**

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Re-orient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment to an outlet on a different circuit to the receiver. Consult your dealer or an experienced radio/TV technician for help. Shielded (STP) network cables must be used with this unit to ensure compliance with EMC standards.

**USA** – This equipment has been tested and found to comply with the limits for a Class B computing device pursuant to Subpart B of Part 15 of FCC rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case the user at his/her own expense will be required to take whatever measures may be required to correct the interference.

**Canada –** This Class B digital apparatus complies with Canadian ICES-003.

**Europe - C €** This digital equipment fulfills the requirements for radiated emission according to limit B of EN55022, and the requirements for immunity according to EN55024 residential and commercial industry.

Japan – This is a class B product based on the standard of the Voluntary Control Council for Interference from Information Technology Equipment (VCCI). If this is used near a radio or television receiver in a domestic environment, it may cause radio interference. Install and use the equipment according to the instruction manual.

Australia – This electronic device meets the requirements of the Radio communications (Electromagnetic Compatibility) Standard AS/NZS CISPR22:2002.

**Korea** – Class B: As this equipment has obtained EMC registration for household use, it can be used in any area including residential areas.

#### Safety

Complies to EN 60950-1 (IEC 60950-1), Safety of Information Technology Equipment.

#### Equipment Modifications

This equipment must be installed and used in strict accordance with the instructions given in the user documentation. This equipment contains no user-serviceable components. Unauthorized equipment changes or modifications will invalidate all applicable regulatory certifications and approvals.

#### Liability

Every care has been taken in the preparation of this document. Please inform your local Axis office of any inaccuracies or omissions. Axis Communications AB cannot be held responsible for any technical or typographical errors and reserves the right to make changes to the product and documentation without prior notice. Axis Communications AB makes no warranty of any kind with regard to the material contained within this document, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Axis Communications AB shall not be liable nor responsible for incidental or consequential damages in connection with the furnishing, performance or use of this material.

#### RoHS

This product complies with both the European RoHS directive, 2002/95/EC, and the Chinese RoHS regulations, ACPEIP.

#### WEEE Directive

The European Union has enacted a Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE Directive). This directive is



applicable in the European Union member states. The WEEE marking on this product (see right) or its documentation indicates that the product must not be disposed of together with household waste. To prevent possible harm to human health and/or the environment, the product must be disposed of in an approved and environmentally safe recycling process. For further information on how to dispose of this product correctly, contact the product supplier, or the local authority responsible for waste disposal in your area. Business users should contact the product supplier for information on how to dispose of this product correctly. This product should not be mixed with other commercial waste.

#### Support

Should you require any technical assistance, please contact your Axis reseller. If your questions cannot be answered immediately, your reseller will forward your queries through the appropriate channels to ensure a rapid response. If you are connected to the Internet, you can:

- download user documentation and firmware updates
- find answers to resolved problems in the FAQ database. Search by product, category, or phrases
- report problems to Axis support by logging in to your private support area

# ENGLISH

# Safeguards

Please read through this Installation Guide carefully before installing the product. Keep the Installation Guide for further reference.

# **WARNING!**

High voltage - the electrical connection must be made by an authorized electrician. Please observe relevant national and local regulations for the installation.

# ▲ CAUTION!

- When transporting the Axis product, use the original packaging or equivalent to prevent damage to the product.
- Avoid exposing the Axis product to vibration, shocks or heavy pressure and do not install the camera on
  unstable brackets, unstable or vibrating surfaces or walls, since this could cause damage to the product.
- Only use handtools when installing the Axis product, the use of electrical tools or excessive force could cause damage to the product.
- Do not use chemicals, caustic agents, or aerosol cleaners. Use a damp cloth for cleaning.
- Only use accessories and spare parts provided or recommended by Axis.
- Do not attempt to repair the product by yourself, contact Axis or your Axis reseller for service matters.
- Disconnect power before any technical work on the appliance.
- Do not use old or worn out power cables.
- Never make changes or connections that are not shown in this handbook; improper use of the appliance
  may cause serious hazard and may damage the product.

## ▲ IMPORTANT!

• This Axis product must be used in compliance with local laws and regulations.

## **Battery replacement**

This Axis product uses a 3.0V CR2032 Lithium battery as the power supply for its internal real-time clock (RTC). Under normal conditions this battery will last for a minimum of 5 years. Low battery power affects the operation of the RTC, causing it to reset at every power-up. A log message will appear when the battery needs replacing. The battery should not be replaced unless required!

If the battery does need replacing, please contact www.axis.com/techsup for assistance.

- Danger of Explosion if battery is incorrectly replaced.
- Replace only with the same or equivalent battery, as recommended by the manufacturer.
- Dispose of used batteries according to the manufacturer's instructions.

## **Cleaning of Dome Cover**

- Be careful not to scratch or damage the dome cover. Do not clean a dome cover that looks clean to the eye and never polish the surface. Excessive cleaning can damage the surface.
- For general cleaning of a dome cover it is recommended to use a non-abrasive, solvent-free neutral soap or detergent with water and a soft cloth. Rinse well with clean lukewarm water. Dry with a soft cloth to prevent water spotting.
- Never use harsh detergents, gasoline, benzene or acetone etc. and avoid cleaning in direct sunlight or at elevated temperatures.

# AXIS P5534 Outdoor T95A Kit

The AXIS P5534 Outdoor T95A Kit can be used in both indoor and outdoor camera installations. Follow these instructions to complete the installation of the AXIS P5534 Outdoor T95A Kit. For all other aspects of using the product, please see the User's Manual for the AXIS P5534 PTZ Dome Network Camera, and the AXIS P5534 Installation Guide, available on the CD included in this package, or from www.axis.com

# Installation steps

- 1. Check the package contents against the list below.
- 2. Install the hardware. See page 7.
- 3. Assign an IP address. See page 18.
- 4. Set the password. See page 21.

# Package Contents

Housing Network camera Dome covers

CD

Printed materials

Optional accessories

### Plastic bag

- (1) Plate for cable glands
- (1) Gasket for the cable gland plate
- (1) M20 cable gland
- (1) M16 cable gland
- (1) M12 cable gland
- (1) Plastic nut for M20 cable gland
- (1) Plastic nut for M16 cable gland
- (1) Plastic nut for M12 cable gland
- (3) M3x10mm screws
- (3) M3x8mm screws
- (4) M4x10mm screws

#### Important!

This product must be used in compliance with local laws and regulations.

AXIS T95A00 or AXIS T95A10 AXIS P5534 60 Hz/50 Hz Clear transparent cover (pre-mounted) Smoked transparent cover AXIS Network Video Product CD, including product documentation, installation tools and other software AXIS P5534 Outdoor T95A Kit Installation Guide Axis Warranty Document Extra serial number labels (2x) AVHS Authentication key See www.axis.com for information on available accessories









#### Page 6

- (3) M3 nuts
- (4) M4 nuts
- (4) Lock washers
- (1) 3mm Allen key
- (1) Desiccant salt bag

#### Tools/ Parts not included

Phillips screw driver Adjustable wrench

#### Other required parts

Mounting bracket

Power cable

Network cable

Soft cloth

# 0000000



See www.axis.com for available brackets and accessories Examples: AWG20, 100-240 VAC cable (AXIS T95A00) AWG22, 24 VAC cable (AXIS T95A10) CAT 5 shielded twisted pair (STP) cable recommended Recommended for protecting the dome while installing the housing

# Install the hardware

## Prepare for installation



- 1. Remove the fastening ring, dome cover and rubber gasket at the bottom of the housing by loosening the four 10mm M3 dome screws.
- 2. Remove the protective packing.



 Optionally, insert an SD card (not included) into the SDHC (Secure Digital High Capacity) card slot. Insert the SD card so that the diagonal corner goes in on the side closest to the control button. See page 16.

#### Note:

The SD card is automatically mounted when inserted into the SDHC card slot. However,

before removing the SD card it should be unmounted through the camera's web pages. Go to Setup > System Options > Storage > SD Card and click Unmount. For more information, please see the User's Manual available from the AXIS Network Video Product CD supplied with this product or from the website at www.axis.com



4. Put the fastening ring, dome cover (transparent or smoked), and rubber gasket back in their original positions and fasten the four 10mm M3 dome screws.

Note:

Be careful not to scratch or damage the dome cover. If possible, keep the protective plastic on the dome cover until the installation is complete.

## Install the mounting bracket

#### Note:

Make sure all cables are in place but not powered, before you install the bracket. Keep cables unpowered until the installation is complete.

 Install the bracket for the AXIS P5534 Outdoor T95A Kit on a wall and make sure that the screws and plugs are appropriate for the wall (wood, metal, concrete, or any other), and suitable for the weight of the housing. To install the bracket in the correct direction, see figure below.



2. Pull a sufficient length of the cables through the bracket for the housing and camera (approximately 50 cm).

#### Note:

Visit the Axis web site at www.axis.com for a comprehensive list of the available brackets and accessories.

## Remove top cover of the AXIS P5534 Outdoor T95A Kit

Remove the top cover of the housing (with four screws) from the housing using the 3mm allen key.



## Mount the housing to the bracket

Notes:

- Ensure that the bracket is securely fastened, and cables are pulled through it before mounting the camera housing. Ensure that no power is connected to the cables.
- Be very careful not to drop anything into the housing. It may be nearly impossible to remove small items without dissassembling the housing.
- 1. Position the AXIS P5534 Outdoor T95A Kit against the bracket, making sure to pull the cables (power, Ethernet, and I/O cables if applicable) into the housing, and tighten the two 25mm M5 allen key screws (included with the bracket).



- 2. Pull the cables through the cable glands, and secure the hole in the bracket with the cable gland plate. Ensure the cables are securely fastened in the cable glands.
- 3. Connect power and network cables to the housing as described below:
  - for AXIS T95A00 Dome Housing see page 11
  - for AXIS T95A10 Dome Housing see page 12.

## Connect cables for the AXIS T95A00 dome housing

- 1. Attach the power cable (100-240 VAC) to the housing.
- 2. Attach the network cable. Do not connect the network cable to a PoE switch.



Earth the housing applying the two supplied cables to the cover and body using the M3 screws and toothed washers.

The safety wire should remain fastened during service.





Place the desiccant bag on the side of the housing away from cables and electrical components.

## Connect cables for the AXIS T95A10 dome housing

- 1. Attach the power cable (24 VAC) to the housing.
- 2. Attach the network cable. Do not connect the network cable to a PoE switch.



The safety wire should remain fastened during service.



Place the desiccant bag on the side of the housing away from cables and electrical components.



## Complete the installation

- 1. Check that all cables and wires in the housing are properly connected.
- 2. Replace the top cover of the housing and tighten the screws using the supplied Allen key.
- 3. Connect the AXIS T95A housing to the power supply (110-240 VAC or 24 VAC depending on the version you are using).
- 4. Follow the instructions in *Assign an IP address*, on page 18, and *Set the password*, on page 21, to install the camera on the network.

The installation is now complete.

#### Note:

Do not forget to place the desiccant salt bag into the housing before replacing the top cover.

## Remove the sunshield

Remove the three screws on the side of the sunshield with a Phillips screw driver; remove the screw on the top center of the cover plate with the 4 mm Allen key.

It is recommended that this is done after the installation.

# Technical Specifications for the AXIS T95A Dome Housing

#### Note:

Technical specifications for AXIS P5534 are available in the AXIS P5534 User's Manual.

General	
Built in die-cast aluminium	RAL9002 color
Epoxypolyester powder paint	
Lower dome in polycarbonate	Smoked or transparent
Sunshield in ABS for outdoor use	RAL9002 color
Mechanical	
External dimensions with sunshield	Ø 351 x 335 mm (13.8 x 13.2")
External dimensions without sunshield	Ø 314 x 322 mm (12.4 x 12.7")
3 cable glands	1x M20 with Ø cable 3.5 - 7.5 mm (0.1 - 0.3") 1x M16 with Ø cable 3.5 - 7 mm (0.1 - 0.3") 1x M12 with Ø cable 5 - 10 mm (0.2 - 0.4")
Other	Protective gasket
Electrical	
Fan assisted heater, operating temperature range: 15°C to 22°C (±3°C) 59°F to 71°F (±5 °F)	AXIS T95A00: IN 230 V AC, power consumption max 44 W AXIS T95A10: IN 24 V AC, power consumption max 44 W
Internal power connectors	AXIS T95A00: IN 100/240 V AC, 50/60 Hz AXIS T95A10: IN 24 V AC, 50/60 Hz
Blower in continuous operation.	
Related products	
AXIS T95A61	Wall bracket
AXIS T95A64	Pole adapter
AXIS T95A67	Corner adapter

Environment			
Indoor / Outdoor	Operating temperature: -30° C to +50° C (-22° F to +122° F)		
Compliance			
<ul> <li>CE according to EN61000-6-3, EN 60950, EN50130-4</li> </ul>			
IP66 according to EN 60529			
Package			
Unit weight	6.9 kg / 15.2 lb.		
Package weight 8.5 kg / 18.8 lb.			
Package dimensions (B $\times$ H $\times$ L)	38.5 x 38.5 x 47 cm / 15.1 x 15.1 x 18.5"		

# Hardware overview - AXIS P5534



Please note that AXIS P5534 is already installed as a part of the AXIS P5534 Outdoor T95A Kit and is not easily accessible.

For the SDHC card slot see *Prepare for installation*, on page 7. For the LED status indicator, see page 17. For the control and restart buttons, see *Resetting to the Factory Default Settings*, on page 25.

For more information about AXIS P5534, please see the User's Manual for the AXIS P5534 PTZ Dome Network Camera.

# **AXIS P5534 Status indicators LED**

Color	Indication
Unlit	Steady connection/normal operation
Amber	Steady during system initiating and reset to factory default. Flashes during firmware upgrade.
Amber/red	No network connection
Red	Firmware upgrade failure
Green	Steady for 10 sec. after successful restart

#### Note:

For more information on the AXIS P5534 status indicators, please see the User's Manual available from the AXIS Network Video Product CD supplied with this product or from the website at www.axis.com

# Assign an IP address

Most networks today have a DHCP server that automatically assigns IP addresses to connected devices. If your network does not have a DHCP server the network camera will use 192.168.0.90 as the default IP address.

If you would like to assign a static IP address, the recommended method in Windows is either AXIS IP Utility or AXIS Camera Management. Depending on the number of cameras you wish to install, use the method that best suits your purpose.

Both of these free applications are available on the Axis Network Video Product CD supplied with this product, or they can be downloaded from www.axis.com

Metho	d	Recommended for	Operating system
IP	AXIS IP Utility See page 19	Single camera Small installations	Windows
<b>%</b>	AXIS Camera Management See page 20	Multiple cameras Large installations Installation on a different subnet	Windows 2000 Windows XP Pro Windows 2003 Server Windows Vista Windows 7

Notes:

- If assigning the IP address fails, check that there is no firewall blocking the operation.
- For other methods of assigning or discovering the IP address, e.g. in other operating systems, see page 23.

# AXIS IP Utility - single camera/small installation

AXIS IP Utility automatically discovers and displays Axis devices on your network. The application can also be used to manually assign a static IP address.

IP AXIS IP Utility			
<u>File View T</u> ools <u>H</u> elp			
r, r, 🔝 🔊			
Name	IP Address	Serial Number	^
AXIS P5534-E - 00408C183D77	10.96.127.227	00408C183D77	
AXIS P3344 - 00408CA0DC6B	10.96.127.119	00408CA0DC6B	
AXIS P3344 - 00408C998585	10.96.3.44	00408C998585	
AXIS P3344 - 00408C18287A	10.96.127.110	00408C18287A	
AXIS P1346 - 00408CA5BEEA	10.96.127.106	00408CA5BEEA	
AXIS P1344 - 00408C183884	10.96.127.79	00408C183884	~
1075 10110 001005100510	10.02.103.00		<u> </u>
Interface 10.96.127.72			.:

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

## Automatic discovery

- 1. Check that the camera is connected to the network and that power has been applied.
- 2. Start AXIS IP Utility.
- 3. When the camera appears in the window, double-click it to open its home page.
- 4. See page 21 for instructions on how to assign the password.

## Assign the IP address manually (optional)

- 1. Acquire an unused IP address on the same network segment as your computer.
- 2. Select the network camera in the list.
- 3. Click the Assign new IP address to the selected device button 12 and enter the IP address.
- 4. Click **Assign** and follow the on-screen instructions. Note that the camera must be restarted within 2 minutes for the new IP address to be set.
- 5. Click Home Page to access the camera's web pages.
- 6. See page 21 for instructions on how to set the password.

## AXIS Camera Management - multiple cameras/large installations

AXIS Camera Management can automatically discover multiple Axis devices, show connection status, manage firmware upgrades and set IP addresses.

🕵 AXIS Camera Management							X
Eile Edit ⊻iew <u>T</u> ools <u>H</u> elp							
Search Assign IP Upgrade Add/E	🚮 📝 🔡 🏹	amplate Home Pag	ge Refresh Views	<b>,</b>			
Groups	Find: Apply	Clear	)				×
	Name	Status 🔺	Address	Serial Number	Model	Firmware	^
All Devices (481)	* AXIS P3344 - 00408C9998D0	OK	dh10-94-127-37.se	00408C9998D0	AXIS P3344	5.07	
	* AXIS P3344 - 00408CA0D C6B	OK	dh10-94-127-7.se.a_	00408CA0DC68	AXIS P3344	5.07	
	AXIS P5534 - 00408C183B8B	OK	dh10-96-127-49.se	00408C183B8B	AXIS P5534	5.15beta2	-
	AXIS P7701 - 00408C183B31	OK	dh10-96-127-106.s	00408C183B31	AXIS P7701	change_br	
	AXIS P7701 - 00408CCD 0000	OK	dh10-96-127-58.se	00408C183911	AXIS P7701	change_br	
	AXIS P8221 - 00408C183AA0	OK	dh10-96-127-121.s	00408C183AA0	AXIS P8221	5.05alpha4	
	AXIS P8221 - 00408C183AA6	OK	10.94.137.1	00408C183AA6	AXIS P8221	5.05beta1	
	AXIS Q1755 - 00408C181560	OK	dh10-94-127-31.se	00408C181560	AXIS Q1755	5.02	
	* AXIS Q1755 - 00408C1834B8	OK	dh10-94-127-254.s	00408C1834B8	AXIS Q1755	5.02	
	AXIS Q1755 - 00408C18360A	OK	dh10-92-127-178.s	00408C18360A	AXIS Q1755	5.02	
	AXIS Q1755 - 00408C9914DF	OK	10.96.6.55	00408C9914DF	AXIS Q1755	5.02	~

## Automatic discovery

- 1. Check that the camera is connected to the network and that power has been applied.
- 2. Start AXIS Camera Management. When the network camera appears in the window, right-click the link and select Live View Home Page.
- 3. See page 21 for instructions on how to set the password.

## Assign an IP address in a single device

- Select network camera in AXIS Camera Management and click the Assign IP button *IP*.
- Select Assign the following IP address and enter the IP address, subnet mask and default router the device will use.
- 3. OK.

## Assign IP addresses in multiple devices

AXIS Camera Management speeds up the process of assigning IP addresses to multiple devices, by suggesting IP addresses from a specified range.

- Select the devices you wish to configure (different models can be selected) and click the Assign IP button 12.
- Select Assign the following IP address range and enter the range of IP addresses, the subnet mask and default router the devices will use.
- 3. Click **Update**. Suggested IP addresses are listed under **New IP Addresses** and can be edited by selecting a device and clicking Edit.
- 4. Click OK.

Edit IP Address	$\mathbf{X}$
<ul> <li>Obtain an IP addre</li> <li>Assign the following</li> </ul>	ss automatically (DHCP) IP address:
IP address:	10 . 91 . 127 . 62
Subnet mask:	255.255.0.0
Default router:	10.91.0.1
Advanced	OK Cancel

		E
Use DHCP or enter an IF addresses for the devices	address range and click Update to automatically	list available
O Obtain IP addresses	automatically (DHCP)	
<ul> <li>Assign the following</li> </ul>	P address lange:	
Use wildcards to specify	the range, either as 10.18.° or 10.18.100.10 - 10	0.18.140.100.
IP range:	10.18.100.10-10.18.140.100	
Subnet mask:	255.255.0.0	
Default router:	10.18.0.1	
A second s		
Manual Mc Ordenance and		
New IP Addresses: Name	Current Address New Address	
Nerve PAddesses: Name A/35.207 - 00408C000 A/35.211M - 00408C68	Current Address New Address RSC 10.91.8.17 SFEC 192.168.0.90	
New Praddesses. Name Avds 207-00408C000 Avds 211M-00408C68	Current Addeess New Addeess REC 10.91.9.17 SPEC 192.168.0.50	Edt

# Set the password

To gain access to the product, the password for the default administrator user **root** must be set. This is done in the **'Configure Root Password'** dialog, which is displayed when the network is accessed for the first time.

To prevent network eavesdropping when setting the root password, this can be done via an encrypted HTTPS connection, which requires an HTTPS certificate.

**Note:** HTTPS (Hypertext Transfer Protocol over Secure Socket Layer) is a protocol used to encrypt the traffic between web browsers and servers. The HTTPS certificate controls the encrypted exchange of information.

To set the password via a standard HTTP connection, enter it directly in the first dialog shown below.

To set the password via an encrypted HTTPS connection, follow these steps:

- 1. Click the Create self-signed certificate button.
- Provide the requested information and click OK. The certificate is created and the password can now be set securely. All traffic to and from the network camera is encrypted from this point on.
- 3. Enter a password and then re-enter it to confirm the spelling. Click **OK**. The password has now been configured.

Create Certificate Secure configuration of the root password via HTT create self-signed certificate	PS requires a self-signed	To create an HTTPS connection, — start by clicking this button.
Configure Root Password User name: rot Password: Confirm password: The password for the pre-configured administrato before the product can be used. If the password for root is lost, the product must settings. by presing the button located in the pre user documentation for more information. To configure the password do	Create Self-Signed Common name: 10.92.25.21 Validity: 365 days 'The name of the entity to be ce product. Once the certificate is created, th configure the root password via h pereset to the factory default duct's casing. Please see the	
via an unencrypted connection, enter the password here.		Derive the product call 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.

- To log in, enter the user name "root" in the dialog as requested Note: The default administrator user name root cannot be deleted.
- Enter the password as set above, and click OK.
   Note: If the password is lost, the camera must be reset to the factory default settings. See page 25.

# Access the video stream

The Live View page of the network camera is displayed, with links to the Setup tools, which allow you to customize the camera.

If required, click Yes to install AMC (AXIS Media Control), which allows viewing of the video stream in Internet Explorer. You will need administrator rights on the computer to do this. If required, click the link to install missing decoders.

Note:

To install AMC in Windows 7/Vista, you must run Internet Explorer as administrator. Right-click the Internet Explorer icon and select **Run as administrator**.



**Axis Communications** 

# Other methods of setting the IP address

The table below shows the other methods available for setting or discovering the IP address. All methods are enabled by default, and all can be disabled.

	Use in operating system	Notes
UPnP™	Windows	When enabled on your computer, the camera is automatically detected and added to "My Network Places."
Bonjour	MAC OSX (10.4 or later)	Applicable to browsers with support for Bonjour. Navigate to the Bonjour bookmark in your browser (e.g. Safari) and click on the link to access the camera's web pages.
AXIS Dynamic DNS Service	All	A free service from Axis that allows you to quickly and simply install your camera. Requires an Internet connection with no HTTP proxy. See www.axiscam.net for more information.
ARP/Ping	All	See below. The command must be issued within 2 minutes of connecting power to the camera.
DHCP server	All	To view the admin pages for the network DHCP server, see the server's own documentation.

# AXIS Video Hosting System (AVHS)

The camera can also be connected to an AVHS service for hosted video. If you have subscribed to an AVHS service, follow the instructions in the Service Provider's Installation Guide. For more information and help to find a local AVHS Service Provider, go to www.axis.com/hosting

A Camera owner authentication key is supplied with this product. The key is associated with the camera's unique serial number (S/N) as shown on the top of the label.

#### Note:

Save the key for future reference.

## Set the IP address with ARP/Ping

- 1. Acquire an IP address on the same network segment your computer is connected to.
- 2. Locate the serial number (S/N) on the product label on the camera.
- 3. Open a command prompt on your computer and enter the following commands:

Windows syntax:	Windows example:
arp -s <ip address=""> <serial number=""></serial></ip>	arp -s 192.168.0.125 00-40-8c-18-10-00
ping -l 408 -t <ip address=""></ip>	ping -l 408 -t 192.168.0.125
UNIX/Linux/Mac syntax:	UNIX/Linux/Mac example:
arp -s <ip address=""> <serial number=""> temp</serial></ip>	arp -s 192.168.0.125 00:40:8c:18:10:00 temp
ping -s 408 <ip address=""></ip>	ping -s 408 192.168.0.125

- 4. Check that the network cable is connected to the camera and then start/restart the camera, by disconnecting and reconnecting power.
- 5. Close the command prompt when you see 'Reply from 192.168.0.125: ...' or similar.
- In your browser, type in http://<IP address> in the Location/Address field and press Enter on your keyboard.

Notes:

- To open a command prompt in Windows: from the Start menu, select Run... and type cmd. Click OK.
- To use the ARP command in Windows Vista, right-click the command prompt icon and select Run as administrator.
- To use the ARP command on a Mac OS X, use the Terminal utility in Application > Utilities.

# Resetting to the Factory Default Settings

To reset the camera to the original factory default settings, use the control button and reset button on the side of the camera (see page 16) as described below. This will reset all parameters, including the IP address, to the factory default settings.

- 1. Remove the fastening ring, dome cover and rubber gasket, see *Prepare for installation*, on page 7.
- 2. Press and hold the control and restart buttons at the same time.
- 3. Release the restart button but continue to hold down the control button.
- 4. Continue to hold down the control button until the Status indicator color changes to amber (this may take up to 15 seconds).
- 5. Release the control button.
- 6. When the Status indicator changes to green (which may take up to 1 minute), the process is complete and the camera has been reset. The unit now has the default IP address 192.168.0.90
- 7. Replace the fastening ring, dome cover and rubber gasket.
- 8. Re-assign the IP address, using one of the methods described in *Assign an IP address*, on page 18.

It is also possible to reset parameters to the original factory default settings via the web interface. For more information, please see the online help or the User's Manual available from the AXIS Network video Product CD supplied with this product.

# Accessing the camera from the Internet

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

- HTTP port (default port 80) for viewing and configuration
- RTSP port (default port 554) for viewing H.264 video streams

Please refer to the documentation for your router for further instructions. For more information on this and other topics, visit the Axis Support Web at www.axis.com/techsup

# **Further information**

The User's Manual is available from the Axis Web site at www.axis.com or from the Axis Network Video Product CD supplied with this product.

Tip!

Visit www.axis.com/techsup to check if there is updated firmware available for your network camera. To see the currently installed firmware version, see Setup > About.

Installation Guide

AXIS P5534 Outdoor T95A Kit

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