

INSTALLATION GUIDE

AXIS 215 PTZ-E Network Camera

ENGLISH



Safety Information

Follow these instructions to complete the installation of the AXIS 215 PTZ-E network camera.

Warning!

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

Safety Rules

- Only qualified technical personnel must install this device.
- Disconnect the power supply before any technical work on the appliance.
- Do not use old or worn out power supply 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.
- Use original spare parts. Non-original spare parts could cause fire, electrical discharge, or other hazards.
- Before installing the device, check the supplied material to make sure it corresponds with the order specification.
- Please retain this manual for future reference.

AXIS 215 PTZ-E Network Camera Installation Guide

This product is an out-of-the-box PTZ camera comprising the AXIS 215 PTZ network camera pre-mounted in a weather-proof housing. The AXIS 215 PTZ-E network camera can be used in both indoor and outdoor installations. This guide provides instructions for installing this product.

For all other aspects of using the product, please see the Installation Guide for the AXIS 215 PTZ network camera included in this package, and the user's manual for the AXIS 215 PTZ network camera available from www.axis.com/techsup

Installation steps

1. Check the package contents against the Package contents list below.
2. Overview. See page 4.
3. Before installation. See page 4.
4. Installation. See page 5.
5. Technical specifications. See page 6.

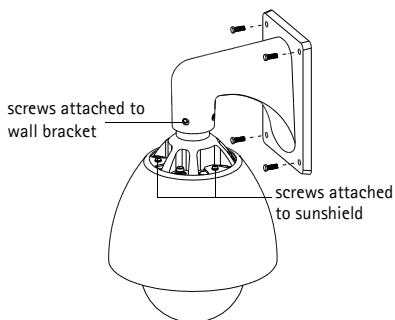
Package contents

Important!

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

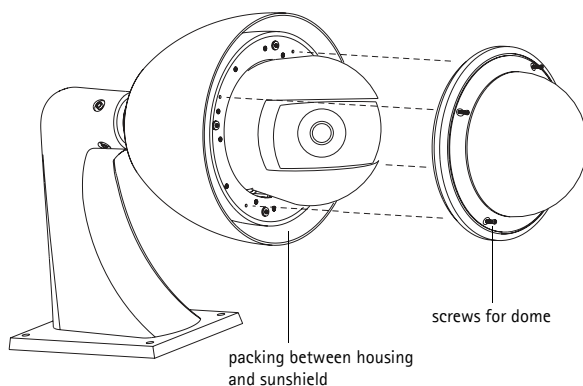
Item	Models/variants/notes
AXIS 215 PTZ-E Network Camera	
Three allen keys	2mm, 3mm, and 5 mm
1.5 national pipe thread (NPT) adaptor	
Drill template	
Printed materials	AXIS 215 PTZ-E Network Camera Installation Guide (this document) AXIS 215 PTZ Network Camera Installation Guide Axis warranty document

Overview



1 Before installation

Before Installation, it is important to remove all protective packing material from the camera according to the steps below. Do not start the camera until all protective packing has been removed, or the camera will be damaged.



1. Place the AXIS 215 PTZ-E network camera on a clean, solid surface.
2. Loosen the four screws holding the dome (using the 3-mm allen key). Make sure the o-ring on the screw is in place.
3. Carefully unwrap the AXIS 215 PTZ-E Network Camera.
4. Carefully remove the packing between the housing and sunshield. See drawing.
5. Make sure that the dome is clean on the inside and that the o-ring around it is in place.
6. Attach the dome and tighten the four screws firmly.

2 Installation

Wall mounting

1. Using the drill template provided, drill four holes on the wall.
2. Place the AXIS 215 PTZ-E network camera to the wall and attach it using four screws appropriate to the wall material.

Ceiling mount

1. Remove the wall bracket by unscrewing the four screws attached to it, using the 5-mm allen key provided.
2. Remove the sunshield (optional) by unscrewing the three screws attached to it, using the 2-mm allen key provided.
3. Screw the NPT adaptor onto a pole in the ceiling.
4. Attach the AXIS 215 PTZ-E network camera to the NPT adaptor using the four large screws.

Connecting the cables

INPUT 100-240VAC		
L	N	GND
brown	blue	yellow-green

1. Connect the 5m-power cable to a power connector (100-240VAC, 1.2A, 50/60Hz) using the three wires - L, N, and GND.
2. Connect the camera to the network using the 5m CAT5E network cable.

Please refer to the Assign an IP address chapter in the AXIS 215 PTZ installation guide to assign an IP address to the camera.

Note – Appropriate protection is required for the power and Ethernet cable in the case of outdoor installation.

Technical Specifications

Camera	Model	• AXIS 215 PTZ-E: 50 Hz (PAL) • AXIS 215 PTZ-E: 60 Hz (NTSC)
	Image sensor	1/4" interlaced CCD
	Lens	3.8 – 46 mm, F1.6 – F2.7, automatic day/night, autofocus Angle of view, horizontal: 4.4° – 51.6°
	Minimum illumination	Color: 1 lux at 30IRE, F1.6 B/W: 0.3 lux at 30IRE, F1.6
	Shutter time	NTSC: 1/50000 – 4/3 s PAL: 1/50000 – 8/5 s
	Pan/Tilt/Zoom	20 preset positions Auto-flip, E-flip ±170° (360° via Auto-flip) pan range, 180°/s pan speed 180° tilt range, 140°/s tilt speed 12x optical, 4x digital zoom Control queue, image freeze, sequence mode Support Windows compatible joysticks Designed for operator control
Video	Video compression	MPEG-4 Part 2 (ISO/IEC 14496-2) Motion JPEG
	Resolutions	704x480 to 176x120 (NTSC) 704x576 to 176x144 (PAL)
	Framerate MPEG-4	Up to 30/25 (NTSC/PAL) in 2CIF/CIF/QCIF Up to 26/22 (NTSC/PAL) in 4CIF/2CIFExp
	Frame rate Motion JPEG	Up to 30/25 (NTSC/PAL) in all resolutions
	Video streaming	Simultaneous MPEG-4 and Motion JPEG Controllable frame rate and bandwidth VBR/CBR MPEG-4 ISMA compatible
	Image settings	Compression, color, brightness, sharpness, white balance, exposure control, backlight compensation, day/night Rotation 0 – 180° Aspect ratio correction Text and image overlay De-interlace (4CIF resolution)
Network	Security	Password protection, IP address filtering, HTTPS encryption, IEEE 802.1X network access control
	Supported protocols	IPv4/v6, HTTP, HTTPS, QoS Layer 3 DiffServ, FTP, SMTP, Bonjour, UPnP, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS

System integration	Application Programming Interface	Open API for software integration, including VAPIX® from Axis Communications available at www.axis.com
	Intelligent video	Video motion detection
	Alarm triggers	Intelligent video
	Alarm events	File upload via FTP, HTTP and email Notification via email, HTTP and TCP
	Video buffer	9 MB pre-and post alarm
General	Casing	IP66-rated, rugged aluminum casing with clear dome bubble
	Processors and memory	ETRAX FS, ARTPEC-2, 32 MB RAM, 8 MB Flash
	Power	100 – 230 V AC: 1.1 A at 110 V AC, 0.6 A at 230 V AC Pre-installed 5 m (16.4 ft.) power cable without mains plug
	Connectors	RJ-45 for 10BASE-T/100BASE-TX Pre-installed 5 m (16.4 ft.) Cat-5e cable
	Operating conditions	-20 to 40 °C (-4 to 104 °F) 2 built-in heaters, 3 built-in fans
	Approvals	EN 55022 Class B, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 60950-1, FCC Part 15 Subpart B Class B, ICES-003 Class B, C-tick AS/NZS 3548 Power supply: UL, CSA, CE
	Weight	4.8 kg (10.6 lb.) incl. cables, excl. wall bracket and sunshield 6.1 kg (13.4 lb.) incl. cables, wall bracket and sunshield
	Optional accessories	Corner mount, pole mount, AXIS 295 Video Surveillance Joystick, AXIS T90A illuminators
	Included accessories	1.5" NPT adapter, Installation Guide, CD with User's Manual, recording software, installation and management tools, Windows decoder 1-user license

Appendix A

Installing audio and I/O cables

AXIS 215 PTZ-E Network Camera is delivered without hardware support for audio and I/O. However it is possible to install cables for these.

Important!

- Installing the cables for audio and I/O must be done only by an authorized technician.
- Installing audio and I/O cables will nullify the IP-66 rating and AXIS 215 PTZ-E Network Camera will no longer be suitable for outdoor use.

Follow these steps to install the audio and I/O cables:

1. Remove the wall bracket.

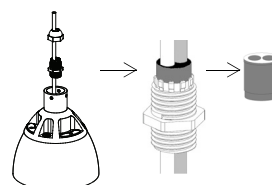


2. Remove the sunshield.

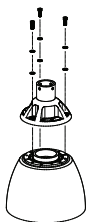


3. Unscrew the cable gland;
cut and remove the rubber gasket.

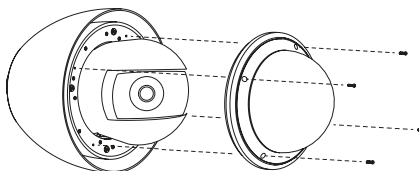
Caution: Make sure not to damage the cables while removing the rubber gasket. The rubber gasket is now no longer usable, and the IP-66 rating is no longer valid.



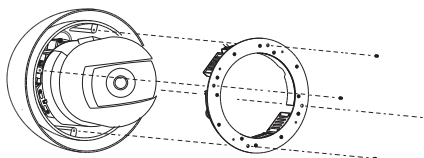
4. Remove the top by unscrewing 3 screws.



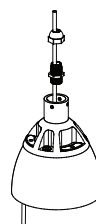
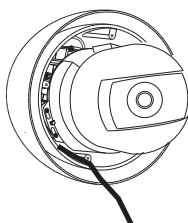
5. Remove the dome by loosening the 4 screws.



6. Remove the black (fan-and-heater) ring by unscrewing 4 screws.



7. Pull the I/O or audio cable through the casing and cable gland to the camera connection. For more information on how to connect I/O and audio, please refer to the AXIS 215 PTZ Network Camera's user manual delivered with this pack.



9. Work backwards from step 6 to re-assemble the parts.

