

AXIS P1224-E Network Camera

Miniature HDTV camera for discreet outdoor surveillance

AXIS P1224-E is a tiny HDTV 720p camera with a wide 145° horizontal field of view, ideal for unobtrusive, overview surveillance in places such as banks, ATMs, stores, architectural buildings and hotels. It comprises two parts: an IP66-rated sensor unit (lens and image sensor), which can be installed indoors/outdoors and in limited spaces, such as in doorways, ceilings, walls and elevators; and a main unit, which can be placed up to 8 m (26 ft.) away in an indoor area. The main unit has a memory card slot and supports H.264, Motion JPEG, video motion detection, tampering alarm, I/O for external devices and Power over Ethernet.

- > [Wide-angle miniature camera](#)
- > [IP66-rated sensor unit](#)
- > [HDTV 720p](#)
- > [Easy and flexible installation](#)
- > [Power over Ethernet](#)



AXIS P1224-E Network Camera

Camera

Image sensor

Progressive scan RGB CMOS 1/4"

Lens

Fixed iris, Fixed focus

1.56 mm, F2.8

Horizontal angle of view: 145°

Vertical angle of view: 80°

Light sensitivity

1.8-10000 lux

Shutter speed

1/24500 s to 1/6 s

Video

Video compression

H.264 (MPEG-4 Part 10/AVC), Motion JPEG

Resolution

1280x720 to 320x180

Frame rate

Up to 25/30 fps (50/60 Hz) in all resolutions

Video streaming

Multiple, individually configurable streams in H.264 and Motion JPEG

Controllable frame rate and bandwidth, VBR/CBR H.264

Image settings

Compression, Color, Brightness, Sharpness, Contrast, White balance, Exposure control, Exposure zones, Backlight compensation, Fine tuning of behavior at low light, Rotation, Text and image overlay, Mirroring of images, Privacy mask, Axis' Corridor Format

Network

Security

Password protection, IP address filtering, HTTPS¹ encryption, IEEE 802.1X¹ network access control, Digest authentication, User access log, Centralized Certificate Management

Network protocols

IPv4/v6, HTTP, HTTPS¹, SSL/TLS¹, QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnPTM, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH

System integration

Application Programming Interface

Open API for software integration, including VAPIX[®] and AXIS Camera Application Platform; specifications at www.axis.com

AXIS Video Hosting System (AVHS) with One-Click Connection.

One-click cloud connection.

ONVIF Profile S; specification at www.onvif.org

Analytics

Video motion detection, Active tampering alarm

Support for AXIS Camera Application Platform enabling installation of AXIS Video Motion Detection 3, AXIS Cross Line Detection, AXIS Digital Autotracking and third-party applications, see www.axis.com/acap

Event triggers

Analytics, External inputs, Video loss

Event actions

File upload: FTP, SFTP, HTTP, HTTPS, network share and email

Notification: email, HTTP, HTTPS and TCP

External output activation

Video recording to edge storage

Pre- and post-alarm video buffering

Built-in installation aids

Pixel counter

Data streaming

Event data

General

Casing

Main unit: Polycarbonate casing

Sensor unit: IP66- and NEMA 4X-rated metal casing (aluminum)

1. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>), and cryptographic software written by Eric Young (ey@cryptsoft.com).

Memory

256 MB RAM, 128 MB Flash

Power

Power over Ethernet IEEE 802.3af/802.3at Type 1
Class 2 (max 6.49 W)
8-28 V DC max 4.7 W

Connectors

RJ45 for 10BASE-T/100BASE-TX PoE
RJ12 for the sensor unit
Terminal blocks for power, 1 alarm input and 1 output

Storage

Support for microSD/microSDHC/microSDXC card
Support for recording to dedicated network-attached storage (NAS)
For SD card and NAS recommendations see www.axis.com

Operating conditions

-20 °C to 50 °C (-4 °F to 122 °F)
Main unit: Humidity 10-85% RH (non-condensing)
Sensor unit: Humidity 10-100% RH (condensing)

Storage conditions

-40 °C to 65 °C (-40 °F to 149 °F)

Approvals

EN 55022 Class B, EN 55024, EN 61000-3-2,
EN 61000-3-3, EN 61000-6-1,
FCC Part 15 Subpart B Class B, ICES-003 Class B,
VCCI Class B, C-tick AS/NZS CISPR 22 Class B,
KCC KN22 Class B, KN24, IEC/EN/UL 60950-1,
IEC 60068-2-1, IEC 60068-2-2,
IEC 60068-2-6 Class 4M4, IEC 60068-2-27 Class 4M3,
60068-2-78 Class 3K3
Sensor unit: IEC/EN/UL 60950-22, IEC/EN 60529 IP66,
NEMA 250 Type 4X, IEC 60068-2-14, IEC 60068-2-30,
IEC 60068-2-78 Class 4K3

Dimensions

∅ 20 x 52 mm (13/16 x 2 1/16 in)

Weight

Main unit: 109 g (0.24 lb)
Sensor unit: 250 g (0.55 lb)

Included accessories

Mounting kit, Installation Guide, Windows decoder 1-
user license, AVHS Authentication key

Optional accessories

Mounting brackets, AXIS T8120 Midspan 15 W 1-port,
AXIS P7701 Video Decoder, AXIS P8221 Network I/O
Audio Module

Video management software

AXIS Companion version 3, AXIS Camera Station, Video
management software from Axis' Application
Development Partners available on [www.axis.com/
techsup/software](http://www.axis.com/techsup/software)

Languages

English, German, French, Spanish, Italian, Russian,
Simplified Chinese, Japanese, Korean, Portuguese

Warranty

5-year warranty, see axis.com/warranty