# AXIS P1375-E Network Camera

## Stable, 2 MP surveillance for the great outdoors

With a robust design, AXIS P1375-E Network Camera offers excellent video for outdoor scenes. It handles temperatures between -40 °C to 60 °C (-40 °F to 140 °F) and delivers details even in challenging light conditions or low-light, with Forensic WDR and Lightfinder 2.0. For pitch darkness, an optional IR kit is available. Enhanced security features such as signed firmware and secure boot ensure the integrity and authenticity of the camera's firmware. Furthermore, tampering alarm and video streaming indicator ensure full control of the video. With CS mount and built-in camera rails, a bigger variety of lenses can be used.

> **HDTV 1080p at up to 60 fps**

> **Electronic image stabilization and IK10**

> **Signed firmware and secure boot**

> **Zipstream with H.264 and H.265**

> **PoE and DC power**

# AXIS P1375-E Network Camera

## Camera

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|---|---|
| Image sensor | 1/2.8" progressive scan RGB CMOS |
| Lens | Lens CS 2.8–8 mm F1.2 P-Iris 5 MP<br>**With IK10 protection in the front window**<br>Horizontal field of view: 107°–42°<br>Vertical field of view: 57°–24°<br>**Without IK10 protection in the front window**<br>Horizontal field of view: 124°–42°<br>Vertical field of view: 65°–24° |
| Day and night | Automatically removable infrared-cut filter |
| Minimum illumination | **HDTV 1080p 25/30 fps with Forensic WDR and Lightfinder:**<br>**Color:** 0.05 lux, at 50 IRE F1.2<br>**B/W:** 0.01 lux, at 50 IRE F1.2<br>**HDTV 1080p 50/60 fps with Lightfinder:**<br>**Color:** 0.10 lux, at 50 IRE F1.2<br>**B/W:** 0.02 lux, at 50 IRE F1.2<br>0 lux with accessory IR illumination on (optional AXIS Fixed Box IR Illuminator Kit A) |
| Shutter time | WDR: 1/34500 s to 2 s<br>No WDR: 1/66500 s to 2 s |

## Video

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| Video compression | H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles<br>H.265 (MPEG-H Part 2/HEVC)<br>Motion JPEG<br>Controllable frame rate and bandwidth |
| Resolution | 1920x1080 (HDTV) to 160x90 |
| Frame rate | Forensic WDR: 25/30 fps (50/60 Hz)<br>No WDR: 50/60 fps (50/60 Hz) |
| Video streaming | Multiple, individually configurable streams in H.264, H.265, and Motion JPEG<br>Axis Zipstream technology in H.264 and H.265<br>Controllable frame rate and bandwidth<br>VBR/ABR/MBR H.264/H.265<br>Video streaming indicator |
| Multi-view streaming | Up to 8 individually cropped out view areas |
| Image settings | Saturation, contrast, brightness, sharpness, Forensic WDR: Up to 120 dB depending on scene, white balance, day/night threshold, exposure mode, exposure zones, local contrast, tone mapping, compression, orientation: auto, 0°, 90°, 180°, 270° including Corridor Format, mirroring of images, dynamic text and image overlay, privacy masks, defogging, electronic image stabilization, barrel distortion correction, scene profiles: forensic, vivid, traffic overview |
| Pan/Tilt/Zoom | Digital PTZ<br>Uploadable PTZ driver (Pelco D pre-installed) |

## Audio

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| Audio streaming | Two-way, full duplex |
| Audio encoding | AAC LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz, LPCM 8/16/32/48 kHz<br>Configurable bit rate |
| Audio input/output | External microphone input, line input, digital input with ring power, line output, automatic gain control |

## Network

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| Security | Password protection, IP address filtering, HTTPS[a] encryption, IEEE 802.1X (EAP-TLS)[a] network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot |
| Supported protocols | IPv4, IPv6 USGv6, HTTP, HTTPS[a], HTTP/2, SSL/TLS[a], QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, MQTT, Syslog |

## System integration

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| Application Programming Interface | Open API for software integration, including VAPIX® and AXIS Camera Application Platform, specifications at *axis.com*<br>AXIS Video Hosting System (AVHS) with One-Click Connection |
| | ONVIF® Profile G, ONVIF® Profile S and ONVIF® Profile T, specification at *onvif.org* |
| Onscreen controls | Electronic image stabilization<br>Day/night shift<br>Defogging<br>Wide dynamic range |
| Event triggers | Analytics, shock detection, open casing, edge storage events, supervised external input, audio level, time scheduled |
| Event actions | File upload: FTP, SFTP, HTTP, HTTPS, network share and email<br>Notification: email, HTTP, HTTPS and TCP<br>External output activation<br>Video recording to edge storage, Play audio clip<br>Pre- and post-alarm video buffering<br>PTZ preset, Guard tour, Overlay text<br>Day/Night switching, Status LED activation<br>Send SNMP trap |
| Data streaming | Event data |
| Built-in installation aids | Focus assistant, pixel counter, remote back focus, autorotation, remote focus and zoom and with optional i-CS lens. |

## Analytics

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| Compute capabilities | Machine learning processing unit (MLPU) |
| Applications | **Included**<br>AXIS Video Motion Detection, active tampering alarm, audio detection<br>**Supported**<br>AXIS Live Privacy Shield, AXIS Perimeter Defender, AXIS Guard Suite including AXIS Motion Guard, AXIS Fence Guard, and AXIS Loitering Guard<br>Support for AXIS Camera Application Platform enabling installation of third-party applications, see *axis.com/acap* |

## General

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| Casing | IP66-, IP67- and NEMA 4X-rated, IK10 impact-resistant polymer enclosure with aluminium base and intrusion alarm switch<br>Weathershield with black anti-glare coating<br>Color: White NCS S 1002-B |
| Sustainability | PVC free |
| Memory | 1 GB RAM, 512 MB Flash |
| Power | 12–28 V DC, max 9.7 W, typical 5.3 W<br>Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, max 10.3 W, typical 5.9 W<br>**With AXIS Fixed Box IR Illuminator Kit A:** 12–28 V DC, max 19.7 W, typical 5.3 W<br>Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 4, max 20.3 W, typical 5.9 W<br>Power redundancy |
| Connectors | RJ45 10BASE-T/100BASE-TX/1000BASE-T<br>I/O: 6-pin 2.5 mm terminal block, for 2 supervised alarm inputs and 2 outputs<br>RS485/RS422, 2 pcs, 2 pos, full duplex, terminal block<br>3.5 mm mic/line in, 3.5 mm line out<br>i-CS connector (compatible with P-Iris and DC-iris)<br>IR illuminator connector |
| Storage | Support for microSD/microSDHC/microSDXC card<br>Support for SD card encryption<br>Support for recording to network-attached storage (NAS)<br>For SD card and NAS recommendations see *axis.com* |
| Operating conditions | -40 °C to 60 °C (-40 °F to 140 °F)<br>Absolute maximum temperature: 74 °C (165 °F) according to NEMA TS2 2016, 2.2.7<br>Humidity 10-100% RH (condensing) |
| Storage conditions | -40 °C to 65 °C (-40 °F to 149 °F)<br>Humidity 5-95% RH (non-condensing) |
| Approvals | **EMC**<br>EN 55032 Class A, EN 50121-4, IEC 62236-4, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KCC KN32 Class A, KN35<br>**Safety**<br>IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IS 13252<br>**Environment** |

|  | IEC/EN 60529 IP66/IP67, NEMA 250 Type 4X, NEMA TS2 2016 (Subsection 2.2.7–2.2.9), IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 62262 IK10, IEC/EN 60529 IP67 **Network** NIST SP500–267 |
| --- | --- |
| **Dimensions** | 404 x 159 x 143 mm (15 15/16 x 6 1/4 x 5 5/8 in) |
| **Weight** | 2.2 kg (4.9 lb) |
| **Included accessories** | Installation Guide, Windows® decoder 1-user license, wall mount bracket, sunshield, connector kit IK10 tool Torx® T20 screw driver, Torx® T30 screw bit AXIS P13 Weathershield Kit A |
| **Optional lenses** | Lens CS 2.8–10 mm F1.2 P-Iris 2 MP Lens Computar i-CS 2.8-8.5 mm Tamron 5 MP Lens P-Iris 8-50 mm F1.6 Lens i-CS 9-50 mm F1.5 8 MP |
| **Optional accessories** | Axis mounts, Axis lenses, Axis midspans, Axis microphones AXIS Fixed Box IR Illuminator Kit A (range of reach 50 m (164 ft) or more depending on the scene) |

|  | AXIS P13 Weathershield Extension A AXIS T8355 Digital Microphone AXIS T99A10 Positioning Unit 24 V AC/DC For more accessories, see *axis.com* |
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| **Video management software** | AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available at *axis.com/vms* |
| **Languages** | English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese |
| **Warranty** | 5-year warranty, see *axis.com/warranty* |

a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (openssl.org/), and cryptographic software written by Eric Young (eay@cryptsoft.com).*

Environmental responsibility:

*axis.com/environmental-responsibility*

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