AXIS P12 Network Camera Series
Miniature HDTV cameras for exceptionally discreet surveillance

> Functional and extremely discreet design

> Easy and flexible installation

> HDTV 720p

> Edge storage

> Power over Ethernet

AXIS P12 Network Camera Series offers tiny HDTV 720p cameras for exceptionally discreet indoor and outdoor surveillance—ideal for ATMs (automated teller machines), banks, stores, hotels, architectural buildings and offices. The cameras can be installed on or flush-mounted in walls or ceilings, in elevators or in limited spaces such as in ATMs or doorways.

AXIS P12 Series consists of four models. AXIS P1204 and AXIS P1214 are two pinhole models for indoor installations. Two IP66-rated models for indoor and outdoor use are AXIS P1214-E and AXIS P1224-E. The latter has a wide-angle lens.

An AXIS P12 camera comprises two parts: a sensor unit (consisting of the lens and image sensor) with an 8 m (26 ft.) cable, and the main unit (with network, power and input/output connections and a memory card slot). The cable connects the two parts, enabling the sensor unit to be installed discreetly in tight places, and the main unit

to be placed elsewhere. An AXIS P12 can be powered over Ethernet or by an external power supply.

The cameras are ideal for capturing subjects at close range. Varying horizontal field of views, from 57° to 145°, are available.

AXIS P12 cameras offer powerful event management capabilities with intelligent video features such as tampering alarm, motion detection and support for third-party applications.

Miniature HDTV cameras for discreet indoor and outdoor surveillance

AXIS P12 Network Cameras are flexible and easy to install on or behind walls and ceilings, and in very limited spaces. The cameras come with various mounting accessories for indoor or outdoor installations. All AXIS P12 main and sensor units can operate in temperatures from -20 °C to 50 °C (-4 °F to 122 °F). The outdoor AXIS P1214-E and AXIS P1224-E sensor units have protection against dust, rain, snow and ice.

AXIS P1204/P1214: 57°
AXIS P1214-E: 81°
AXIS P1224-E: 145°
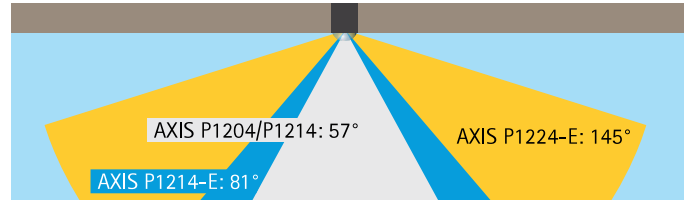
AXIS P1204 Network Camera
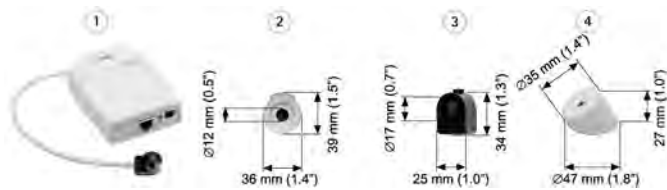
The sensor unit of AXIS P1204 (1) can be mounted on a surface with the supplied cover (2) over top, or angled using the included angled mounting bracket (4). It can also be flush-mounted using the straight mounting bracket (3) in places where a concealed application is required, such as behind a thin metal sheet in a doorway or in an ATM.

AXIS P1214-E Network Camera

The IP66-rated sensor unit of AXIS P1214-E (1) can be mounted flush with a surface using the included mounting bracket (2). It can also be mounted on a surface using the supplied housing (3), which is suited for both indoor and outdoor use. An optional bracket for tilt possibility is also available.

AXIS P1214 Network Camera

The sensor unit of AXIS P1214 (1) can be mounted behind any surface using the supplied mounting bracket (2), with just a small opening for the lens showing on the outside of a ceiling or wall, as illustrated in Figure (3). Sold separately is an optional mounting bracket that allows for tilt possibility.
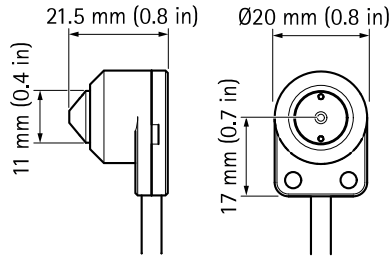
AXIS P1224-E Network Camera

The IP66-rated sensor unit of AXIS P1224-E (1) can be mounted flush with a surface as shown in Figure (3) using the included mounting bracket (2). An optional bracket for tilt possibility is also available.
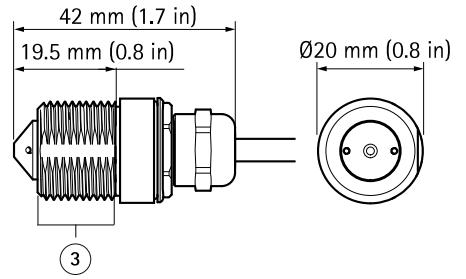
Dimensions — Sensor units

1. AXIS P1204
2. AXIS P1214
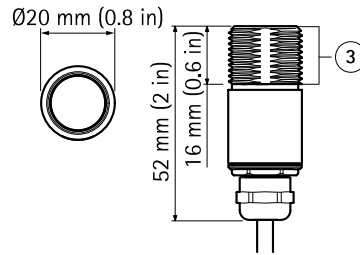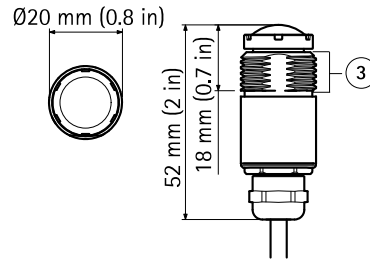3. Thread: M20 x 1.5

① AXIS P1204

21.5 mm (0.8 in)
Ø20 mm (0.8 in)
11 mm (0.4 in)
17 mm (0.7 in)

② AXIS P1214

42 mm (1.7 in)
19.5 mm (0.8 in)
Ø20 mm (0.8 in)
③

Dimensions — Sensor units

1. AXIS P1214-E
2. AXIS P1224-E
3. Thread: M20 x 1.5

① AXIS P1214-E

Ø20 mm (0.8 in)
52 mm (2 in)
16 mm (0.6 in)
③

② AXIS P1224-E

Ø20 mm (0.8 in)
52 mm (2 in)
18 mm (0.7 in)
③

Dimensions — Main unit (all models)

1. SD card slot
2. Camera connector
3. I/O terminal connector
4. Network connector
5. Power connector
6. Mounting rail

104 mm (4.1 in)
76 mm (3 in)

① ② ③ ④ ⑤ ⑥

35 mm (1.4 in)
58 mm (2.3 in)

CAM I/O PoE PWR
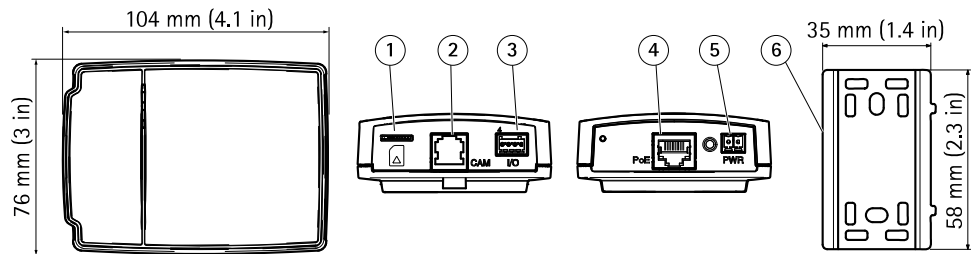
Optional accessories

1 Mounting bracket for AXIS P1214/P1214-E/P1224-E
2 AXIS T8120 15 W Midspan 1-Port
3 AXIS P7701 Video Decoder
4 AXIS P8221 Network I/O Audio Module

① ② ③ ④

Technical Specifications - AXIS P12 Network Camera Series

Models	**AXIS P1204:** HDTV 720p **AXIS P1214:** HDTV 720p **AXIS P1214–E:** HDTV 720p, IP66-rated sensor unit **AXIS P1224–E:** HDTV 720p, IP66-rated sensor unit

Camera

Image sensor	1/4" progressive scan RGB CMOS
Lens	Fixed iris, fixed focus **AXIS P1204/P1214:** 3.7 mm: 57° view[a], F2.5 **AXIS P1214–E:** 2.8 mm: 81° view[a], F2.0 **AXIS P1224–E:** 1.56 mm: 145° view[a], F2.8
Light sensitivity	**AXIS P1204/P1214:** 1.2–10000 lux **AXIS P1214–E:** 1.0–10000 lux **AXIS P1224–E:** 1.8–10000 lux
Shutter time	1/24500 s to 1/6 s

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Motion JPEG
Resolutions	1280x720 to 320x180
Frame rate	H.264: Up to 25/30 fps (50/60 Hz) in all resolutions Motion JPEG: 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, HTTPS[b] encryption, IEEE 802.1X[b] network access control, Digest authentication, User access log
Supported protocols	IPv4/v6, HTTP, HTTPS[b], SSL/TLS[b], QoS Layer 3 DiffServ, FTP, CIFS/SMB, 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® and AXIS Camera Application Platform; specifications at www.axis.com AXIS Video Hosting System (AVHS) with One-Click Camera Connection. ONVIF Profile S; specification at www.onvif.org
Intelligent video	Video motion detection, Active tampering alarm, AXIS Camera Application Platform enabling installation of additional applications
Event triggers	Intelligent video, External inputs, Video loss
Event actions	File upload: FTP, HTTP, network share and email Notification: email, HTTP 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 **AXIS P1204/P1214 sensor unit:** metal casing (aluminum) **AXIS P1214–E/P1224–E sensor unit:** IP66- and NEMA 4X-rated metal casing (aluminum)
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
Edge storage	MicroSD/microSDHC/microSDXC slot supporting memory card up to 64 GB (card not included) Support for recording to dedicated network-attached storage (NAS)
Operating conditions	-20 °C to 50 °C (-4 °F to 122 °F) **Main unit:** Humidity 10–85% RH (non-condensing) **AXIS P1204/P1214 sensor unit:** Humidity 10–85% RH (non-condensing) **AXIS P1214–E/P1224–E sensor unit:** Humidity 10–100% RH (condensing)
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 (Vibration) Class 4M4, IEC 60068-2-27 (shock) Class 4M3, 60068-2-78 Class 3K3 **AXIS P1214–E/P1224–E 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
Weight	**Main unit:** 109 g (0.24 lb) **AXIS P1204 sensor unit:** 222 g (0.49 lb) **AXIS P1214 sensor unit:** 238 g (0.52 lb) **AXIS P1214–E/P1224–E sensor unit:** 250 g (0.55 lb)
Included accessories	Mounting kit, Installation Guide, Installation and Management Software CD, Windows decoder 1-user license, AVHS Authentication key
Video management software	AXIS Camera Companion (included), AXIS Camera Station and video management software from Axis' Application Development Partners (not included). For more information, see www.axis.com/products/video/software
Warranty	Axis 3-year warranty, see www.axis.com/warranty

a. *Horizontal angle of view*
b. *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 (eay@cryptsoft.com).*

More information is available at www.axis.com

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