

AXIS P13 Network Camera Series

Superb image quality for video surveillance in any environment



- > HDTV and 5 megapixel
- > Lightfinder
- > P-Iris control
- > Digital PTZ and multi-view streaming
- > Outdoor ready

The indoor and outdoor-ready AXIS P13 Network Camera Series, with their superb image quality, are ideal for high-performance surveillance in any environment.

AXIS P13 Series delivers multiple H.264 and Motion JPEG video streams. The cameras range from SVGA up to 5 megapixel resolution, including HDTV 720p and 1080p video. Features like wide dynamic range and day and night functionality provide superb image quality in daylight and dark conditions.

The SVGA and HDTV 720p models support Axis' Lightfinder technology, which makes these cameras extremely sensitive to low light. The P-Iris control on HDTV 1080p and 5-megapixel cameras guarantee precise control of the iris position for optimal depth of field and image sharpness.

The remote back focus function enables the focus to be fine-tuned from a computer. All models also offer digital pan/tilt/zoom, and the HDTV 1080p and 5-megapixel cameras additionally provide multi-view streaming. All cameras feature a serial port for communication with auxiliary equipment such as pan/tilt head in order to remotely change the camera direction.

AXIS P13 cameras support Power over Ethernet (PoE) and the outdoor-ready models operate using PoE and High PoE in temperatures from -40 °C to 50 °C (-40 °F to 122 °F).



High-performance indoor/outdoor cameras

AXIS P13 Series offers fixed network cameras suitable for a range of video surveillance applications, including government and industrial buildings, retail environments, airports, railway stations and schools.

Easy installation with focus assistant, remote focus and pixel counter

Setting the focus on all AXIS P13 cameras is made easy with the focus assistant, which indicates with a flashing green LED when an image is in focus after manually adjusting the lens. Additionally, the cameras offer remote back focus, which allows the focus to be fine-tuned from a computer. The pixel counter further helps the installer verify that the pixel resolution of an object fulfills regulatory or customer requirements, for example, for facial identification.

Digital PTZ and multi-view streaming

All camera models support digital pan/tilt/zoom, which allows a selected area of interest to be cropped from the full view for viewing or recording, thereby minimizing the bit rate and storage needs. The HDTV 1080p and 5-megapixel cameras also support multi-view streaming, which allows several cropped view areas to be streamed simultaneously, simulating up to eight virtual cameras.

Lightfinder technology

AXIS P1353/-E and P1354/-E Network Cameras incorporate Axis' unique Lightfinder technology. The outstanding light sensitivity, with maintained colors even in very poor lighting conditions, is obtained by a combination of Axis' expertise in image processing, system-on-chip development and selection of the best optical components.

For more on Lightfinder technology, go to:

www.axis.com/corporate/corp/tech_papers.htm

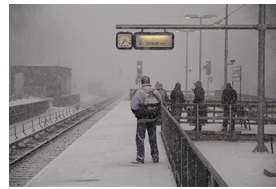
P-Iris control

AXIS P1355/-E and P1357/-E feature the advanced precise iris control that comprises a special P-Iris lens, together with dedicated software in the camera, to set the best iris position for optimal depth of field, resolution, image contrast and clarity. Good depth of field implies that objects at different distances from the camera are in focus simultaneously.

For more on P-Iris and iris control, go to:

www.axis.com/corporate/corp/tech_papers.htm

Outdoor-ready models

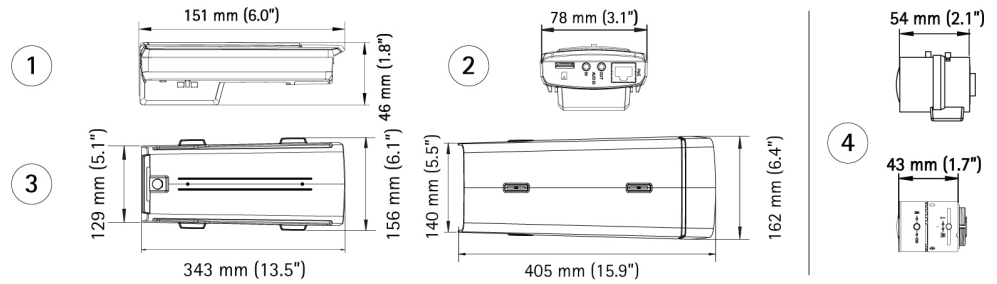


AXIS P13-E Network Cameras save installation time and costs since they are ready out of the box for mounting outdoors. The IP66-rated cameras have protection against dust, rain, snow and sunlight, and can operate in temperatures as low as -40 °C (-40 °F).

The cameras are powered by Power over Ethernet, which makes installation easy since there is no need for a separate power cable. An integrated dehumidifying membrane eliminates any humidity caught in the camera enclosure during installation. The cameras enable easy mounting of an infrared illuminator under the enclosure. They come with a wall mount bracket, sunshield and cable glands.

Dimensions

1. AXIS P13 - side
2. AXIS P13 - rear
3. AXIS P13-E
4. Upper lens : AXIS P1354/-E,
AXIS P1355/-E, AXIS P1357/-E
Lower lens : AXIS P1353/-E



Optional Accessories

1. Axis mounts
2. Axis lenses
3. Axis midspans
4. Scan for a complete list of accessories
www.axis.com/products/cam_acc



Technical Specifications - AXIS P13 Network Camera Series

Models	AXIS P1353/-E: SVGA, Lightfinder AXIS P1354/-E: 1 MP/HDTV 720p, Lightfinder AXIS P1355/-E: HDTV 1080p AXIS P1357/-E: 3 MP/5 MP
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Camera	
Image sensor	AXIS P1353/-E, P1354/-E: Progressive scan RGB CMOS 1/3" AXIS P1355/-E: Progressive scan RGB CMOS 1/2.8" AXIS P1357/-E: Progressive scan RGB CMOS 1/3.2"

Lens	All AXIS P13 cameras use IR-corrected, CS-mount lens AXIS P1353/-E/P1354/-E: DC-iris AXIS P1353: Varifocal 3-8 mm: 82°-34° view ^a , F1.0 AXIS P1353-E: Varifocal 3-8 mm: 80°-34° view ^a , F1.0 AXIS P1354: Varifocal 2.8-8 mm: 100°-34° view ^a , F1.2 AXIS P1354-E: Varifocal 2.8-8 mm: 80°-34° view ^a , F1.2 AXIS P1355/-E/P1357/-E: P-Iris AXIS P1355: Varifocal 2.8-8 mm: 109°-39° view ^a , F1.2 AXIS P1355-E: Varifocal 2.8-8 mm: 80°-39° view ^a , F1.2 AXIS P1357: Varifocal 2.8-8 mm: 92°-32° view ^a , F1.2 AXIS P1357-E: Varifocal 2.8-8 mm: 80°-32° view ^a , F1.2
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Day and night	Automatically removable infrared-cut filter
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Minimum illumination	AXIS P1353/-E: Color: 0.1 lux, F1.0, B/W: 0.02 lux, F1.0 AXIS P1354/-E: Color: 0.1 lux, F1.2, B/W: 0.02 lux, F1.2 AXIS P1355/-E: Color: 0.2 lux, F1.2, B/W: 0.04 lux, F1.2 AXIS P1357/-E: Color: 0.2 lux, F1.2, B/W: 0.04 lux, F1.2
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Shutter time	AXIS P1353/-E/P1354/-E: Power line frequency 50 Hz: 1/24500 s to 2 s Power line frequency 60 Hz: 1/29500 s to 2 s AXIS P1355/-E: Power line frequency 50 Hz: 1/28000 s to 2 s Power line frequency 60 Hz: 1/33500 s to 2 s AXIS P1357/-E: Power line frequency 50/60 Hz: 1/24000 s to 2 s
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Video	
Video compression	H.264 (MPEG-4 Part 10/AVC), H.264 Baseline and Main Profile, Motion JPEG

Resolutions	AXIS P1353/-E: 800x600 (SVGA) to 160x90 AXIS P1354/-E: 1280x960 ^b (approx. 1.3 MP) to 160x90 AXIS P1355/-E: 1920x1080 (HDTV) to 160x90 AXIS P1357/-E: 2592x1944 (5 MP) to 160x90
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Frame rate	AXIS P1353/-E/P1354/-E/P1355/-E: 25/30 fps in 50/60 Hz power line frequency AXIS P1357/-E: 5 MP Capture mode 12.5/12 fps in 50/60 Hz power line frequency AXIS P1357/-E: 3 MP Capture mode 16/20 fps in 50/60 Hz power line frequency AXIS P1357/-E: 2 MP/HDTV 1080p Capture mode 25/30 fps in 50/60 Hz power line frequency
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Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG, Controllable frame rate and bandwidth, VBR/CBR H.264
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Multi-view streaming	AXIS P1355/-E/P1357/-E: Up to 8 individually cropped out view areas AXIS P1357/-E: When streaming 4 view areas and 1 overview in VGA resolution, the frame rate is 12 fps per stream (5 MP capture mode) or 20 fps per stream (3 MP capture mode)
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Image settings	Compression, Color, Brightness, Sharpness, Contrast, White balance, Exposure control, Exposure zones, Backlight compensation, Fine tuning of behavior at low light, WDR - dynamic contrast Text and image overlay, Privacy mask, Mirroring of images AXIS P1353/P1354/P1355/P1357: Rotation: 0°, 90°, 180°, 270° including Corridor Format
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Audio	
Audio streaming	Two-way, full duplex
Audio compression	AAC LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate
Audio input/output	External microphone input or line input, line output AXIS P1353/P1354/P1355/P1357: Built-in microphone (can be disabled)

Network	
Security	Password protection, IP address filtering, HTTPSC encryption, IEEE 802.1X ^c network access control, Digest authentication, User access log

Supported protocols	IPv4/v6, HTTP, HTTPSC, SSL/TLS ^c , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP ^m , SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS
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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 Support for AXIS Camera Companion
Intelligent video	Video motion detection, Active tampering alarm, Audio detection, AXIS Camera Application Platform enabling installation of additional applications
Event triggers	Intelligent video, Edge storage events, External input, Audio level, Time scheduled
Event actions	File upload: FTP, HTTP, Network share and email Notification: email, HTTP and TCP Pre- and post-alarm video buffering PTZ preset, Guard tour External output activation Play audio clip, Day/Night switching, Status LED activation
Data streaming	Event data
Built-in installation aids	Focus assistant, Pixel counter, Remote back focus
General	
Casing	AXIS P1353/P1354/P1355/P1357: Metal (zinc) AXIS P1353-E/P1354-E/P1355-E/P1357-E: IP66- and NEMA 4X-rated, IK10 impact resistant aluminum enclosure Color: White NCS S 1002-B
Memory	256 MB RAM, 128 MB Flash AXIS P1357/-E: 512 MB RAM, 128 MB Flash
Power	AXIS P1353/P1354/P1355/P1357: 8-28 V DC or Power over Ethernet (PoE) IEEE 802.3af AXIS P1353/P1354: max. 7.2 W, PoE Class 3 AXIS P1355: Max. 7.1 W, PoE Class 3 AXIS P1357: Max. 7.9 W, PoE Class 3 AXIS P1353-E/P1354-E/P1355-E/P1357-E: Power over Ethernet (PoE) IEEE 802.3af max. 12.95 W or High PoE max. 25.5 W
Connectors	RJ45 10BASE-T/100BASE-TX PoE I/O: 4-pin 2.5 mm terminal block, for 1 alarm input and 1 output

	RS485/RS422, 2 pcs, 2 pos, full duplex, terminal block DC input, terminal block, 3.5 mm mic/line in, 3.5 mm line out AXIS P1353/-E/P1354/-E: DC-iris connector AXIS P1353-E/P1357-E: P-Iris connector (compatible with DC-iris)
Edge storage	MicroSD/microSDHC slot supporting memory card up to 64 GB (card not included) Support for recording to network share (network-attached storage or file server)
Operating conditions	AXIS P1353/P1354/P1355/P1357: 0 °C to 50 °C (32 °F to 122 °F) Humidity 10–85% RH (non-condensing) AXIS P1353-E/P1354-E/P1355-E/P1357-E: -30 °C to 50 °C (-22 °F to 122 °F) with PoE, down to -40 °C (-40 °F) with High PoE Humidity 10–100% RH (condensing)
Approvals	EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, 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/EN/UL 60950-22 AXIS P1353-E/P1354-E/P1355-E/P1357-E: EN 50121-4/IEC 62236, IEC/EN/UL 60950-22, IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC 60068-2-6, IEC 60068-2-27, IEC/EN 62262 IK10
Weight	AXIS P1353/P1354/P1355/P1357: 600 g (1.3 lb) AXIS P1353-E/P1354-E/P1355-E/P1357-E: 3.1 kg (6.8 lb)
Included accessories	Connector kit, Installation Guide, Windows decoder 1-user license, Installation and Management Software CD AXIS P1353/P1354/P1355/P1357: Stand AXIS P1353-E/P1354-E/P1355-E/P1357-E: Wall mount bracket, Sunshield
Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty

- Horizontal Angle of View
- 1400x1050 (1.4 MP) scaled resolution available via VAPIX®
- 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).

More information is available at www.axis.com