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 ºC to 50 ºC (-40 ºF to 122 ºF).

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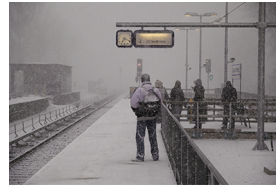*www.axis.com/corporate/corp/tech_papers.htm*

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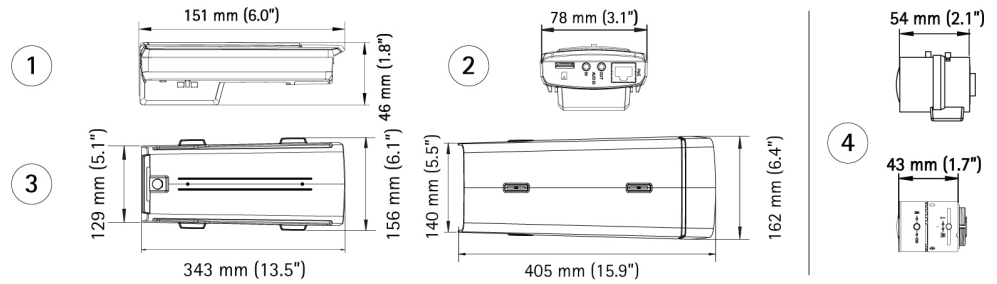*www.axis.com/corporate/corp/tech_papers.htm*

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 ºC (-40 ºF). 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

① 151 mm (6.0")   46 mm (1.8")

② 78 mm (3.1")

④ 54 mm (2.1")   43 mm (1.7")

③ 129 mm (5.1")   156 mm (6.1")   343 mm (13.5")   140 mm (5.5")   405 mm (15.9")   162 mm (6.4")

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

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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

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
Day and night	Automatically removable infrared-cut filter
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
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

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

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
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG, Controllable frame rate and bandwidth, VBR/CBR H.264
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)
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

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, HTTPS[c] encryption, IEEE 802.1X[c] network access control, Digest authentication, User access log
Supported protocols	IPv4/v6, HTTP, HTTPS[c], SSL/TLS[c], 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