AXIS P13 Network Camera Series
Superb image quality for video surveillance in any environment.

AXIS P13 Network Camera Series comprises of indoor and outdoor-ready fixed cameras that deliver superb image quality with H.264 compression and are ideal for high-performance surveillance in any indoor or outdoor environment. The megapixel models also deliver HDTV 720p/1080p video.

AXIS P13 Series offers light sensitive models from SVGA up to 5 megapixel resolution, including HDTV 720p and 1080p video. Models are available in both indoor and outdoor-ready versions. The cameras provide wide dynamic range, and day and night functionality for 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 HDTV 1080p and 5-megapixel cameras offer the unique and revolutionary P-Iris control, which allows the cameras to precisely control the iris position to optimize depth of field and lens resolution for optimal image sharpness.

All AXIS P13 cameras deliver multiple H.264 and Motion JPEG video streams.

All models have a remote back focus function that 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. The cameras are equipped with 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) for easy installation. 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 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.
Technical Specifications – AXIS P13 Network Camera Series

Camera

Indoor models
AXIS P1353: SVGA, Lightfinder
AXIS P1354: 1 MP/720p, HDV, Lightfinder
AXIS P1355: 1080p HDTV
AXIS P1357: 3 MP/5 MP

Outdoor models
AXIS P1353-E: SVGA, Lightfinder
AXIS P1354-E: 1 MP/720p, HDV, Lightfinder
AXIS P1355-E: 1080p HDTV
AXIS P1357-E: 3 MP/5 MP

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 lenses
AXIS P1353-E: Varifocal 3 - 8 mm: 82° - 34° view, F1.0
AXIS P1354: Varifocal 2.8 - 8 mm: 100° - 34° view, F1.2
AXIS P1353-E: Varifocal 3 - 8 mm: 80° - 34° view, F1.0
AXIS P1354-E: Varifocal 2.8 - 8 mm: 80° - 34° view, F1.2
AXIS P1356-E, P1357-E: P-Iris
AXIS P1354: Varifocal 2.8 - 8 mm: 109° - 39° view, F1.2
AXIS P1355-E: Varifocal 2.8 - 8 mm: 80° - 32° view, F1.2
AXIS P1357-E: Varifocal 2.8 - 8 mm: 80° - 32° view, F1.2
Note: All angles above are horizontal angle of view

Day and night
Automatically removable infrared-cut filter

Minimum illumination
AXIS P1353-E: Color: 0.1 lux, F1.0, BW: 0.02 lux, F1.0
AXIS P1354-E: Color: 0.1 lux, F1.2, BW: 0.02 lux, F1.2
AXIS P1356-E: Color: 0.2 lux, F1.2, BW: 0.04 lux, F1.2
AXIS P1357-E: Color: 0.2 lux, F1.2, BW: 0.04 lux, F1.2

Shutter time
AXIS P1353-E, P1354-E:
- Power line frequency 50 Hz: 1/24000 s to 2 s
- Power line frequency 60 Hz: 1/29500 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: 1280x600 (SVGA) to 160x90
AXIS P1354-E: 1280x600 (SVGA) to 160x90
AXIS P1355-E: 1920x1080 (HD) to 160x90
AXIS P1357-E: 2592x1944 (5 MP) to 160x90

Frame rate
H.264/
Motion JPEG
AXIS P1353-E, P1354-E, P1355-E, P1357-E: 25/30 fps with power line frequency 50/60 Hz
Power line frequency 50 Hz:
- 12/15 fps with power line frequency 50/60 Hz
- 3 MP capture mode: 16/20 fps with power line frequency 50/60 Hz
- HDTV 1080p and 2 MP 4:3 (1600x1200) capture mode: 25/30 fps with power line frequency 50/60 Hz

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 and AXIS 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 encryption*, IEEE 802.1X network access control**, digest authentication, user access log

Supported protocols
IPv4/IPv6, HTTP, HTTPS**, QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP®, SNMP v1/v2c (v3 (MD5/SHA), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCPv6, ARP, SD0CS

System integration

Application Programming Interface
Open API for software integration, including the ONVIF Profile S, specifications available at www.onvif.org, as well as VAPIX® and AXIS Camera Application Platform from Axis Communications, specifications available at www.axis.com
Support for AXIS Video Hosting System (AVHS) with One-Click Camera connection
Support for AXIS Camera Companion

Intelligent video
Video motion detection, active tampering alarm, audio detection
Support for AXIS Camera Application Platform enabling installation of additional applications

Event triggers
Intelligent video, external input, audio level, scheduled edge storage events

Event actions
File upload: FTP, HTTP, network share and email; notification: email, HTTP and TCP; external output activation; pre- and post-alarm video buffering; video and audio recording to edge storage; PIZ preset; guard tour; play audio clip; day/night switching; status LED activation

Data Streaming
Event data

Built-in installation aids
Focus assistant, remote back focus, pixel counter

General

Casing
AXIS P1353/P1354/P1355/P1357: Metal (zinc)

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
RIAS: 10BASE-T/100BASE-TX: PoE
IO: 4-pin 2.5 mm terminal block, for 1 alarm input and 1 output
RS-485/422, 2 pcs, 2 pos, full duplex, terminal block
DC input, terminal block
3.5 mm microphone in, 3.5 mm line out
AXIS P1353-E/E, AXIS P1354-E/E: DC-iris connector
AXIS P1355-E/E, AXIS P1357-E/E: P-Iris connector (compatible with DC-iris)

Edge storage
MicroSD/microSDHC/microSDXC 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 55024, EN/IEC/UL 60950-1, 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, KCC KN22 Class B, KN24 Class B

Weight
AXIS P1353/P1354/P1355/P1357: 0.6 kg (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/E/P1354/E/P1355/E/P1357: Stand
AXIS P1353-E/P1354-E/P1355-E/P1357-E: Wall mount bracket, sunshield

More information is available at www.axis.com

** This product includes software developed by the OpenSSL Project (www.openssl.org)

Project for use in the OpenSSL Toolkit (www.openssl.org)
### Technical Specifications – AXIS P13 Network Camera Series

**Dimensions: AXIS P13 Network Cameras**

- **AXIS P1353/-E lens**
  - 151 mm (6.0"")
  - 78 mm (3.1"")
  - 43 mm (1.7")
- **AXIS P1354/-E, P1356/-E, P1357/-E lens**
  - 179 mm (7")
  - 153 mm (6")
  - 88 mm (3.5")

**Dimensions: AXIS P13–E Network Cameras and wall mount bracket with internal cable channel**

**Optional accessories**

- **AXIS T8120 Midspan 15 W**
  - 1-port
- **AXIS T8123 High PoE 30 W Midspan**
  - 1-port
- **AXIS T90A Illuminators**
- **Lenses**
- **AXIS T8414 Installation Display**
- **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**

**Optional mounting accessories for outdoor models**

- **Wall bracket accessories**
  - Adapter plate
  - Pole mount
  - Corner mount
- **Ceiling brackets with ball joint**
- **Column mount with ball joint**