AXIS P13 Network Camera Series

Superb image quality for video surveillance in any environment.

> **Superb video quality including HDTV**

> **P-Iris control**

> **Multiple H.264 and Motion JPEG video streams**

> **Digital PTZ and multi-view streaming**

> **Focus assistant and remote back focus**

AXIS P13 Network Cameras, which include megapixel/HDTV models, deliver superb image quality with H.264 compression and are ideal for high-performance video surveillance in any environment.

AXIS P13 Series consists of AXIS P1311 with VGA resolution; AXIS P1343 with SVGA resolution; AXIS P1344 with 1 megapixel resolution that also enables HDTV 720p video; and AXIS P1346, a 3 megapixel camera with support for HDTV 1080p full frame rate video. The latter three models have wide dynamic range, and day and night functionality for superb image quality in daylight and dark conditions.

AXIS P1346 additionally offers the unique and revolutionary P-Iris control, which allows the camera to precisely control the iris position to optimize depth of field and lens resolution for optimal image sharpness.

All AXIS P13 cameras can deliver multiple, individually configurable streams in H.264 and Motion JPEG. H.264 greatly reduces bandwidth and storage needs without compromising image quality. With AXIS P1311, MPEG-4 Part 2 is also supported.

AXIS P1343/P1344/P1346 cameras feature digital pan/tilt/zoom. AXIS P1346 additionally supports multi-view streaming, where the full view and several areas cropped from the full view can be streamed simultaneously.

Installation is made easy with Power over Ethernet, the focus assistant and the pixel counter. The remote back focus function on AXIS P1343/P1344/P1346 enables the focus to be fine-tuned from a computer.

HDTV
NETWORK VIDEO

Technical specifications – AXIS P13 Network Camera Series

Camera

Models	**AXIS P1311:** VGA resolution **AXIS P1343:** SVGA resolution, day and night **AXIS P1344:** 1 MP/HDTV 720p, day and night **AXIS P1346:** 3 MP/HDTV 1080p, day and night
Image sensor	**AXIS P1311:** Progressive scan RGB CMOS 1/4" **AXIS P1343:** Progressive scan RGB CMOS 1/4" **AXIS P1344:** Progressive scan RGB CMOS 1/4" **AXIS P1346:** Progressive scan RGB CMOS 1/3" (effective)
Lens	**AXIS P1311:** 4.0 mm: 42° view*, F1.2, fixed iris, CS mount **AXIS P1343:** Varifocal 3-8 mm: 25° - 59° view*, F1.4, DC-iris, CS mount **AXIS P1344:** Varifocal 3-8 mm: 32° - 74° view*, F1.2, DC-iris, CS mount **AXIS P1346:** Varifocal 4-10 mm: 29° - 61° view*, F1.8, P-Iris, CS mount **AXIS P1343/P1344/P1346:** Remote back focus **AXIS P1346** also supports DC-iris lenses *horizontal angle of view
Day and night	**AXIS P1343/P1344/P1346:** Automatically removable infrared-cut filter
Light sensitivity/ Min. illumination	**AXIS P1311:** Color: 0.6 - 30000 lux, F1.2 **AXIS P1343:** Color: 0.3 lux, B/W: 0.05 lux, F1.4 **AXIS P1344:** Color: 0.3 lux, B/W: 0.05 lux, F1.2 **AXIS P1346:** Color: 0.6 lux, B/W: 0.08 lux, F1.8
Shutter time	**AXIS P1311:** 1/5000 s to 1/4 s **AXIS P1343/P1344:** 1/24500 s to 1/6 s **AXIS P1346:** 1/35500 s to 1/6 s

Video

Video compression	**AXIS P1311:** H.264 (MPEG-4 Part 10/AVC), Motion JPEG, MPEG-4 Part 2 **AXIS P1343/P1344/P1346:** H.264 (MPEG-4 Part 10/AVC), Motion JPEG
Resolutions	**AXIS P1311:** 640x480 (VGA) to 160x120 **AXIS P1343:** 800x600 (SVGA) to 160x90 **AXIS P1344:** 1280x800 (1 MP) to 160x90 **AXIS P1346:** 2048x1536 (3 MP) to 160x90
Frame rate H.264/ Motion JPEG	**AXIS P1311/P1343/P1344:** 30 fps in all resolutions **AXIS P1346:** 3 MP mode: 20 fps in all resolutions; 2 MP 4:3 (1600x1200) and 1080p (1920x1080) mode: 30 fps in all resolutions
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 P1346:** Up to 8 individually cropped out view areas. 20 fps per stream in H.264/Motion JPEG when streaming 5 view areas in VGA resolution (3 MP capture mode)
Pan/Tilt/Zoom	**AXIS P1343/P1344/P1346:** Digital PTZ, preset positions, guard tour
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, privacy mask **AXIS P1343/P1344/P1346:** Wide dynamic range - dynamic contrast, mirroring of images

Audio

Audio streaming	Two-way
Audio compression	AAC LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate
Input/output	Built-in microphone, external microphone input or line input, line output

Network

Security	Password protection, IP address filtering, digest authentication, HTTPS encryption*, IEEE 802.1X network access control*, user access log
Supported protocols	IPv4/v6, HTTP, HTTPS*, QoS Layer 3 DiffServ, FTP, 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® from Axis Communications available at www.axis.com
Intelligent video	Video motion detection, active tampering alarm, audio detection
Alarm triggers	Intelligent video, external input
Alarm events	File upload via FTP, HTTP and email; notification via email, HTTP and TCP; external output activation; video recording to local storage
Video buffer	**AXIS P1311:** 16 MB pre- and post alarm **AXIS P1343/P1344:** 48 MB pre- and post alarm **AXIS P1346:** 64 MB pre- and post alarm

General

Casing	Metal (zinc)
Processors and memory	**AXIS P1311:** ARTPEC-B, 64 MB RAM, 32 MB Flash **AXIS P1343/P1344:** ARTPEC-3, 128 MB RAM, 128 MB Flash **AXIS P1346:** ARTPEC-3, 256 MB RAM, 128 MB Flash
Power	8-20 V DC Power over Ethernet (PoE) IEEE 802.3af **AXIS P1311:** max. 2.8 W, PoE Class 1 **AXIS P1343/P1344:** max. 6.4 W, PoE Class 2 **AXIS P1346:** max. 9.6 W, PoE Class 3
Connectors	RJ-45 10BASE-T/100BASE-TX PoE 3.5 mm mic/line in, 3.5 mm line out Terminal blocks for power, 1 alarm input and 1 output
Local storage	SD/SDHC memory card slot (card is not included)
Operating conditions	Humidity 20 - 80% RH (non-condensing) **AXIS P1311:** -10 ºC to 55 ºC (14 ºF to 131 ºF) **AXIS P1343/P1344/P1346:** 0 ºC to 50 ºC (32 ºF to 122 ºF)
Approvals	EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, EN 55024, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, C-tick AS/ NZS CISPR 22, EN 60950-1
Weight	**AXIS P1311:** 590 g (1.3 lb.); **AXIS P1343:** 590 g (1.3 lb.) **AXIS P1344:** 620 g (1.4 lb.); **AXIS P1346:** 630 g (1.4 lb.)
Included accessories	Mounting and connector kits, Installation Guide, CD with installation tools, recording software and User's Manual, Windows decoder 1-user license
Optional accessories and software	Various housings, AXIS T90A Illuminators, lenses AXIS Camera Station and video management software from Axis' Application Development Partners. For more software information, see www.axis.com/products/video/software/

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

More information is available at www.axis.com

Dimensions

AXIS P1311 lens — 26 mm (1.0")
AXIS P1343 lens — 42 mm (1.7")
AXIS P1344 lens — 55 mm (2.2")
AXIS P1346 lens — 48 mm (1.9")

151 mm (6.0") · 46 mm (1.8")
78 mm (3.1") · 154 mm (6.1") · Ø 85 mm (3.4")

AXIS®
COMMUNICATIONS