AXIS P3301/-V and P3304/-V Network Cameras
Discreet video surveillance with outstanding H.264 performance.

AXIS P3301/-V and AXIS P3304/-V Network Cameras are designed for indoor environments where discreet and compact solutions are required. Offering superior video quality in multiple, efficiently compressed H.264 streams, they constitute the perfect solution for video surveillance systems with tough quality and efficiency requirements, e.g. in retail stores, schools, prisons, banks and airports.

AXIS P3301/-V and AXIS P3304/-V offer superior image quality including progressive scan and wide dynamic range, providing crisp and clear images of both illuminated and low-light areas. AXIS P3301/-V are VGA cameras and AXIS P3304/-V provide HDTV 720p or 1 megapixel resolution at full frame rate.

Multiple H.264 streams, as well as Motion JPEG streams, can be provided either in full frame rate or individually optimized for different quality needs and bandwidth constraints.

The vandal-resistant AXIS P3301-V and AXIS P3304-V, and AXIS P3301 and AXIS P3304 with their tamper-resistant casing, are fixed domes specifically adapted for unobtrusive video surveillance in exposed indoor environments.

All network cameras include intelligent capabilities such as video motion detection, audio detection and detection of camera tampering attempts like blocking or spray-painting.

Power over Ethernet supplies power to the cameras via the network, eliminating the need for power cables and reducing installation costs. The pixel counter helps the installer verify that the pixel resolution fulfills specific requirements for identification purposes.

AXIS P3301/-V and AXIS P3304/-V Network Cameras support the ONVIF specification for interoperability between network video products.
Technical specifications – AXIS P3301/-V and AXIS P3304/-V Network Cameras

Camera

Models
AXIS P3301: VGA resolution, tamper-resistant casing
AXIS P3301-V: VGA resolution, vandal-resistant casing
AXIS P3304: 1MP/HD TV 720p, tamper-resistant casing
AXIS P3304-V: 1MP/HD TV 720p, vandal-resistant casing

Image sensor
1/4" progressive scan RGB CMOS

Lens
AXIS P3301/V: Varifocal 2.8 – 10 mm, 72° – 23° view*, F1.3, DC-iris
AXIS P3304/V: Varifocal 2.8 – 10 mm, 80° – 22° view*, F1.7, DC-iris

Minimum illumination
AXIS P3301/V: 1 lux, F1.3
AXIS P3304/V: 0.9 lux F1.7

Shutter time
AXIS P3301/V: 1/20000 s to 1/4 s
AXIS P3304/V: 1/24500 s to 1/6 s

Camera angle adjustment
Pan 360°, tilt 170°, rotation 340°

Pan/Tilt/Zoom
AXIS P3304/-V: Digital PTZ, preset positions, guard tour

Video

Video compression
H.264 (MPEG-4 Part 10/AVC)
Motion JPEG

Resolutions
AXIS P3301/V: 640x480 to 160x120
AXIS P3304/V: 1280x800 to 160x90

Frame rate
H.264
30 fps in all resolutions

Frame rate
Motion JPEG
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

Image settings
Compression, color, brightness, sharpness, contrast, white balance, exposure control, exposure zones, backlight compensation, wide dynamic range - dynamic contrast, fine tuning of behavior at low light, mirroring of images
Rotation - including Corridor Format
AXIS P3301: 3:4 only

Text and image overlay, privacy mask

Audio

Audio streaming
Two-way

Audio compression
AAC LC 8 kHz, 16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz
Configurable bit rate

Audio input/output
Built-in microphone, external microphone input or line input, line level output

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, SMTP, Bonjour, UPnP, SNMPv1/v2c/v3(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS

Dimensions

System integration

Application
Open API for software integration, including the ONVIF specification 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

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

Events
Intelligent video and external input

Alarm actions
File upload via FTP, HTTP and email
Notification via email, HTTP and TCP
Video and audio recording to edge storage
External output activation

Video buffer
AXIS P3301/-V: 48 MB pre- and post alarm
AXIS P3304/-V: 40 MB pre- and post alarm

Installation aids in software
Pixel counter

General

Casing
Polycarbonate transparent cover
Metal inner camera module with encapsulated electronics
AXIS P3301: Tamper-resistant plastic casing
AXIS P3301/-V: Tamper-resistant plastic casing
AXIS P3301/-V: 1000 kg (2200 lb.) impact-resistant metal casing

Processor and memory
ARTPEC-3, 128 MB RAM, 128 MB Flash

Power
4.9 – 5.1 V DC max. 4.7 W
Power over Ethernet IEEE 802.3af Class 2 (max. 4.7 W)

Connectors
RJ-45 10BASE-T/100BASE-TX PoE, DC jack
Terminal block for 1 alarm input and 1 output
3.5 mm mic/line in, 3.5 mm line out

Operating conditions
0 °C to 50 °C (32 °F to 122 °F)
Humidity 20 - 80% RH (non-condensing)

Edge Storage
Support for recording to network share (Network Attached Storage or file server)

Approvals
EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, EN 55024
Storage or file server)

Weight
AXIS P3301: 430 g (1.0 lb.), AXIS P3304: 440 g (1.0 lb.)
AXIS P3301/-V: 580 g (1.3 lb.), AXIS P3304/-V: 590 g (1.3 lb.)

Included accessories
Mounting and connector kits, Installation Guide,
CD with installation tools, recording software and User’s Manual,
Windows decoder 1-user license

Video management software (not incl.)
AXIS Camera Station – Video management software for viewing and recording up to 50 cameras. For more software application via partners, 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

Optional accessories

Drop-ceiling mount kit, transparent or smoked cover

Optional casings with smoked cover or black casing

Various mounting kits

AXIS T8412 Installation Display