AXIS P3301/–V and P3304/–V Network Cameras

Discreet video surveillance with outstanding H.264 performance.

> **Superior image quality**

> **Multiple H.264 streams**

> **Unobtrusive and compact design**

> **Intelligent video capabilities**

> **Power over Ethernet**

> **ONVIF support**

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.
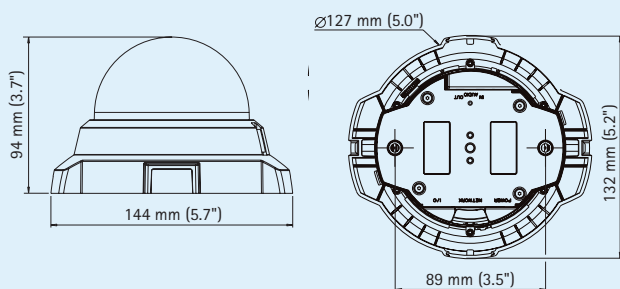
HDTV
NETWORK VIDEO

ONVIF

use-IP
www.use-ip.co.uk
01304 827609

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/HDTV 720p, tamper-resistant casing AXIS P3304–V: 1MP/HDTV 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 *horizontal angle of view
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/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 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
Alarm triggers	Intelligent video and external input
Alarm events	File upload via FTP, HTTP and email Notification via email, HTTP and TCP 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/P3304: Tamper-resistant plastic casing AXIS P3301–V/P3304–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 – 50 °C (32 – 122 °F) Humidity 20 - 80% RH (non-condensing)
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 Power supply: EN 60950-1, UL, CSA
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	Power supply, 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

Dimensions

∅127 mm (5.0")
94 mm (3.7")
144 mm (5.7")
132 mm (5.2")
89 mm (3.5")

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

AXIS®
COMMUNICATIONS