

## 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.





## Technical specifications - AXIS P3301/-V and AXIS P3304/-V Network Cameras

Application

Programming Interface

Intelligent video

Alarm actions

Video buffer

in software

Processor and memory

Casing

Power

Installation aids

Events

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,

Support for AXIS Video Hosting System (AVHS) with One-Click

Video motion detection, active tampering alarm, audio detection Support for AXIS Camera Application Platform enabling

specifications available at www.axis.com

installation of additional applications

Intelligent video and external input File upload via FTP, HTTP and email

Notification via email, HTTP and TCP Video and audio recording to edge storage

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

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

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

External output activation

Polycarbonate transparent cover

ARTPEC-3, 128 MB RAM, 128 MB Flash

Pixel counter

metal casing

Camera connection

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		
lmage 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, TCF UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS		

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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, 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	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/			
	des software developed OpenSSL Toolkit. (www			
More information	is available at www.a	xis.com		
Optional ac	cessories			
Drop-ceiling mou or smoked cover	Drop-ceiling mount kit, transparent or smoked cover		Optional casings with smoked cover or black casing	
Various mounting	kits		AXIS T8412 Installation	





