

## 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

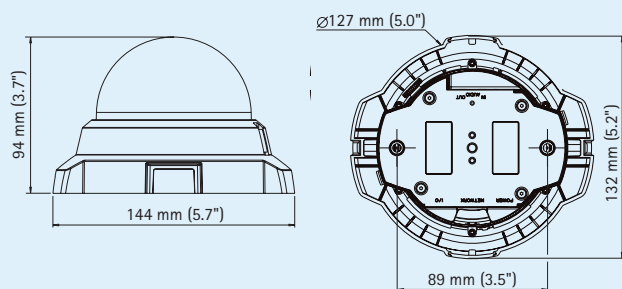
Camera	
<b>Models</b>	AXIS P3301: VGA resolution, tamper-resistant casing AXIS P3301-V: VGA resolution, vandal-resistant casing AXIS P3304: 1MP/HDTV 720p, tamper-resistant casing AXIS P3304-V: 1MP/HDTV 720p, vandal-resistant casing
<b>Image sensor</b>	1/4" progressive scan RGB CMOS
<b>Lens</b>	AXIS P3301/-V: 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
<b>Minimum illumination</b>	AXIS P3301/-V: 1 lux, F1.3 AXIS P3304/-V: 0.9 lux F1.7
<b>Shutter time</b>	AXIS P3301/-V: 1/20000 s to 1/4 s AXIS P3304/-V: 1/24500 s to 1/6 s
<b>Camera angle adjustment</b>	Pan 360°, tilt 170°, rotation 340°
<b>Pan/Tilt/Zoom</b>	AXIS P3304/-V: Digital PTZ, preset positions, guard tour
Video	
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Motion JPEG
<b>Resolutions</b>	AXIS P3301/-V: 640x480 to 160x120 AXIS P3304/-V: 1280x800 to 160x90
<b>Frame rate H.264</b>	30 fps in all resolutions
<b>Frame rate Motion JPEG</b>	30 fps in all resolutions
<b>Video streaming</b>	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth VBR/CBR H.264
<b>Image settings</b>	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	
<b>Audio streaming</b>	Two-way
<b>Audio compression</b>	AAC LC 8 kHz, 16 kHz. G.711 PCM 8 kHz. G.726 ADPCM 8 kHz Configurable bit rate
<b>Audio input/output</b>	Built-in microphone, external microphone input or line input, line level output
Network	
<b>Security</b>	Password protection, IP address filtering, HTTPS** encryption, IEEE 802.1X network access control, digest authentication, user access log
<b>Supported protocols</b>	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	
<b>Application Programming Interface</b>	Open API for software integration, including the ONVIF specification available at <a href="http://www.onvif.org">www.onvif.org</a> , as well as VAPIX® and AXIS Camera Application Platform from Axis Communications, specifications available at <a href="http://www.axis.com">www.axis.com</a> Support for AXIS Video Hosting System (AVHS) with One-Click Camera connection
<b>Intelligent video</b>	Video motion detection, active tampering alarm, audio detection Support for AXIS Camera Application Platform enabling installation of additional applications
<b>Events</b>	Intelligent video and external input
<b>Alarm actions</b>	File upload via FTP, HTTP and email Notification via email, HTTP and TCP Video and audio recording to edge storage External output activation
<b>Video buffer</b>	AXIS P3301/-V: 48 MB pre- and post alarm AXIS P3304/-V: 40 MB pre- and post alarm
<b>Installation aids in software</b>	Pixel counter
General	
<b>Casing</b>	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
<b>Processor and memory</b>	ARTPEC-3, 128 MB RAM, 128 MB Flash
<b>Power</b>	4.9 - 5.1 V DC max. 4.7 W Power over Ethernet IEEE 802.3af Class 2 (max. 4.7 W)
<b>Connectors</b>	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
<b>Operating conditions</b>	0 °C to 50 °C (32 °F to 122 °F) Humidity 20 - 80% RH (non-condensing)
<b>Edge Storage</b>	Support for recording to network share (Network Attached Storage or file server)
<b>Approvals</b>	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
<b>Weight</b>	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.)
<b>Included accessories</b>	Mounting and connector kits, Installation Guide, CD with installation tools, recording software and User's Manual, Windows decoder 1-user license
<b>Video management software (not incl.)</b>	AXIS Camera Station - Video management software for viewing and recording up to 50 cameras. For more software application via partners, see <a href="http://www.axis.com/products/video/software/">www.axis.com/products/video/software/</a>

\*\* This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([www.openssl.org](http://www.openssl.org))

More information is available at [www.axis.com](http://www.axis.com)

### Dimensions



### Optional accessories

Drop-ceiling mount kit, transparent or smoked cover

Optional casings with smoked cover or black casing

