# AXIS P3301/–V Fixed Dome 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 Fixed Dome 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 and AXIS P3301-V offer superior image quality including progressive scan and wide dynamic range, providing crisp and clear images of both illuminated and low-light areas.

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

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

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

Power over Ethernet (IEEE 802.3af) supplies power to the cameras via the network, eliminating the need for power cables and reducing installation costs.

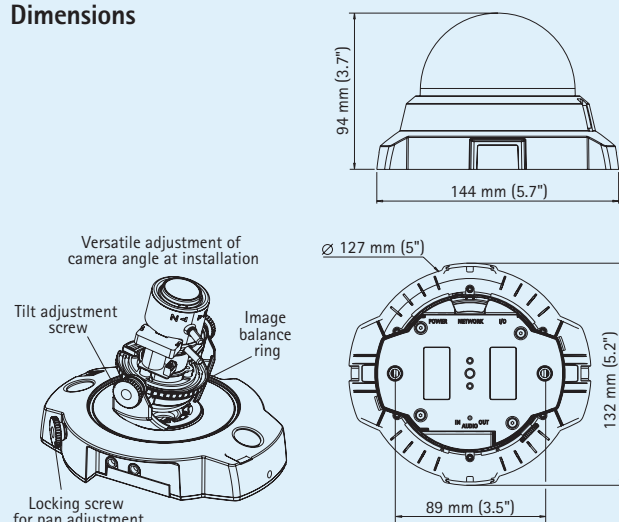AXIS P3301 and AXIS P3301-V support the ONVIF specification for interoperability between network video products.

# Technical specifications – AXIS P3301/–V Fixed Dome Network Cameras

## Camera

| | |
|---|---|
| **Models** | AXIS P3301: Tamper-resistant casing<br>AXIS P3301-V: Vandal-resistant casing |
| **Image sensor** | ¼" Progressive Scan RGB VGA CMOS |
| **Lens** | Varifocal 2.8 - 10 mm, F1.3, DC-iris<br>Angle of view, horizontal: 23° - 72° |
| **Minimum illumination** | 1 lux, F1.3 |
| **Shutter time** | 1/20000 s to 1/4 s |
| **Camera angle adjustment** | Pan 360°, tilt 170°, rotation 340° |

## Video

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|---|---|
| **Video compression** | H.264 (MPEG-4 Part 10/AVC)<br>Motion JPEG |
| **Resolutions** | 160x120 to 640x480 |
| **Frame rate H.264** | 30 fps in all resolutions |
| **Frame rate Motion JPEG** | 30 fps in all resolutions |
| **Video streaming** | Multi-stream H.264 and Motion JPEG: 3 simultaneous, individually configured streams in max. resolution at 30 fps; more streams if identical or limited in frame rate/resolution<br>Controllable frame rate and bandwidth<br>VBR/CBR H.264 |
| **Image settings** | Compression, color, brightness, sharpness, contrast, white balance, exposure control, exposure zones, backlight compensation, wide dynamic range, fine tuning of behavior at low light<br>Rotation: 0°, 90°, 180°, 270°<br>Mirroring of images<br>Text and image overlay<br>Privacy mask |

## Audio

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|---|---|
| **Audio streaming** | Two-way |
| **Audio compression** | AAC LC 8 kHz 32 kbit/s, 16 kHz 64 kbit/s<br>G.711 PCM 8 kHz 64 kbit/s<br>G.726 ADPCM 8 kHz 32 or 24 kbit/s |
| **Audio input/ output** | Built-in microphone, external microphone input or line input, line level output |

## Network

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|---|---|
| **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

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|---|---|
| **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<br>Support for AXIS Video Hosting System (AVHS) with One-Click Camera connection |
| **Intelligent video** | Video motion detection, active tampering alarm, audio detection<br>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<br>Notification via email, HTTP and TCP<br>External output activation |
| **Video buffer** | 64 MB pre- and post alarm |

## General

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|---|---|
| **Casing** | AXIS P3301: Tamper-resistant casing<br>AXIS P3301–V: 1000 kg (2200 lb.) impact-resistant casing |
| **Processor and memory** | ARTPEC-3, 128 MB RAM, 128 MB Flash |
| **Power** | 4.9 – 5.1 V DC max. 4 W<br>Power over Ethernet IEEE 802.3af Class 2 |
| **Connectors** | RJ-45 10BaseT/100BaseTX PoE, DC jack<br>Terminal block for 1 alarm input and 1 output<br>3.5 mm mic/line in, 3.5 mm line out |
| **Operating conditions** | 0 – 50 °C (32 – 122 °F)<br>Humidity 20 - 80% RH (non-condensing) |
| **Approvals** | EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, EN 55024<br>FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, C-tick AS/NZS CISPR 22, EN 60950-1<br>Power supply: EN 60950-1, UL, CSA |
| **Weight** | AXIS P3301: 425 g (0.94 lb.)<br>AXIS P3301–V: 580 g (1.28 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 |

**More information is available at www.axis.com**

## Dimensions



94 mm (3.7")
144 mm (5.7")

Versatile adjustment of camera angle at installation

Tilt adjustment screw
Image balance ring

Locking screw for pan adjustment

Ø 127 mm (5")
132 mm (5.2")
89 mm (3.5")

## Optional accessories

Drop-ceiling mount

Black casing



Various mounting kits



For information on AXIS Camera Station as well as video management software and camera applications from Axis' Application Development Partners, see www.axis.com

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