

# AXIS P5415-E PTZ Dome Network Camera

## Intelligent direct drive HDTV 1080p PTZ dome

AXIS P5415-E is an HDTV 1080p PTZ dome with 18x optical zoom. Designed to blend in with a building, AXIS P5415-E mounts directly on the wall with a built-in bracket for ease of installation. When mounted on the corner of a building, it enables 270° pan for wide area coverage. AXIS P5415-E features a direct drive pan/tilt system with no belts or gears, enabling reliable, low-maintenance mechanics. The sunshield can be easily removed and repainted to match the wall color. A hidden junction box supports two-way audio, a memory card slot, four configurable input/output ports, 24 V DC and Power over Ethernet.

- > [Outdoor wall-mount design for easy installation](#)
- > [Repaintable, integrated sunshield](#)
- > [Durable, low maintenance mechanics](#)
- > [HDTV 1080p and 18x optical zoom](#)
- > [Two-way audio & input/output ports](#)



## AXIS P5415-E PTZ Dome Network Camera

<b>Models</b>	AXIS P5415-E 50 Hz AXIS P5415-E 60 Hz	File upload via FTP, SFTP, HTTP, HTTPS network share and email Notification via email, HTTP, HTTPS and TCP	
<b>Camera</b>			
<b>Image sensor</b>	1/2.8" progressive scan RGB CMOS	<b>Data streaming</b> Event data	
<b>Lens</b>	4.7–84.6 mm, F1.6–2.8 Horizontal field of view: 59°–4° Vertical field of view: 35°–2° Autofocus	<b>Built-in installation aids</b> Pixel counter	
<b>Day and night</b>	Automatically removable infrared-cut filter	<b>General</b>	
<b>Minimum illumination</b>	Color: 0.5 lux at 30 IRE F1.6 B/W: 0.04 lux at 30 IRE F1.6	<b>Casing</b> IP66- and NEMA 4X-rated, IK07 impact-resistance Metal casing (aluminum), clear dome (PC), sunshield (ASA)	
<b>Shutter time</b>	1/28000 s to 2 s	<b>Sustainability</b> PVC free	
<b>Pan/Tilt/Zoom</b>	Pan: ± 135° <sup>a</sup> 0.2°–400°/s Tilt: 0°–90° 0.2°–400°/s Zoom: 18x optical, 12x digital zoom, Total 216x zoom Nadir flip, 100 preset positions, limited guard tour, control queue, focus window, on-screen directional indicator	<b>Memory</b> 256 MB RAM, 128 MB Flash	
<b>Video</b>			
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline and Main Profiles Motion JPEG	<b>Power</b> Axis PoE+ midspan 1-port: 100–240 V AC, max 37 W IEEE 802.3at Type 2 Class 4 Multi-connector cable: 24 V DC, max 16 W PoE+ midspan and power supply not included.	
<b>Resolution</b>	1920x1080 to 160x90	<b>Connectors</b> RJ45 for 10BASE-T/100BASE-TX PoE Terminal blocks for DC input, 4 configurable alarm inputs/outputs, mic in/line in, line out	
<b>Frame rate</b>	Up to 30/25 fps (60/50 Hz) in all resolutions	<b>Storage</b> Support for microSD/microSDHC/microSDXC card Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://www.axis.com">www.axis.com</a>	
<b>Video streaming</b>	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth VBR/CBR H.264	<b>Operating conditions</b> -20 °C to 50 °C (-4 °F to 122 °F) Humidity 10–100% RH (condensing)	
<b>Image settings</b>	Compression, color, brightness, sharpness, contrast, white balance, exposure control, exposure zones, WDR, backlight compensation, fine tuning of behavior at low light, text and image overlay, 20 individual 3D privacy masks	<b>Storage conditions</b> -40 °C to 65 °C (-40 °F to 149 °F) Humidity 10–80% RH (non-condensing)	
<b>Audio</b>			
<b>Audio streaming</b>	Two-way	<b>Approvals</b> EMC EN 50121-4, IEC 62236-4: 2008, EN 50581, EN 55022 Class B, EN 61000-6-1, EN 61000-6-2, EN 55024, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, C-tick AS/NZS CISPR 22 Class B, KCC KN22 Class B, KN24 Safety IEC/EN/UL 60950-1, IEC/EN/UL 60950-22 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-30, IEC 60068-2-78, IEC 60529 IP66, NEMA 250 Type 4X, IEC 62262 Class IK07, ISO 4892-2 Network NIST SP500-267	
<b>Audio encoding</b>	AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate	<b>Dimensions</b> 279 x 193 x 239 mm (11 x 7 5/8 x 9 7/16 in)	
<b>Audio input/output</b>	External microphone or line input, and line output	<b>Weight</b> 3.5 kg (7.7 lb.)	
<b>Network</b>			
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>b</sup> encryption, IEEE 802.1X <sup>b</sup> network access control, Digest authentication, User access log, Centralized Certificate Management	<b>Included accessories</b> Installation Guide, AVHS Authentication key, Windows decoder 1-user license AXIS ACI Conduit Adapter 3/4" U-Shape 30 mm Weather Cover	
<b>Supported protocols</b>	IPv4, IPv6 USGv6, HTTP, HTTPS <sup>b</sup> , SSL/TLS <sup>b</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>TM</sup> , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, NTCIP	<b>Optional accessories</b> AXIS P54 Smoked Dome AXIS T8133 Midspan 30 W 1-port AXIS T8415 Wireless Installation Tool AXIS T94P01B Corner Bracket AXIS T98A19-VE Surveillance Cabinet For more accessories, see <a href="http://www.axis.com">www.axis.com</a>	
<b>System integration</b>			
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://www.axis.com">www.axis.com</a> AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF <sup>®</sup> Profile S and ONVIF <sup>®</sup> Profile G, specification at <a href="http://www.onvif.org">www.onvif.org</a>	<b>Video management software</b> AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/techsup/software">www.axis.com/techsup/software</a>	
<b>Analytics</b>	AXIS Video Motion Detection 4, audio detection, advanced gatekeeper Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://www.axis.com/acap">www.axis.com/acap</a>	<b>Languages</b> English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese	
<b>Event triggers</b>	Detectors: live stream accessed, video motion detection Hardware: network, temperature, fan Input Signal: manual trigger, virtual inputs PTZ: error, moving, preset reached, ready Storage: disruption, recording System: system ready Time: recurrence, use schedule	<b>Warranty</b> 5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>	
<b>Event actions</b>	Day/night mode, overlay text, video recording to edge storage, pre- and post-alarm video buffering, external output activation, send SNMP trap, play audio clip PTZ: PTZ preset, start/stop guard tour	<b>Environmental responsibility:</b> <a href="http://axis.com/environmental-responsibility">axis.com/environmental-responsibility</a>	

- a. *With corner-mount installations, there is slight visual obstruction from the housing in the upper left/right corner of the image at pan end points.*  
b. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([www.openssl.org](http://www.openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).*