**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

### Models
- AXIS P5415-E 50 Hz
- AXIS P5415-E 60 Hz

### Camera
- **Image sensor:** 1/2.8" progressive scan RGB CMOS
- **Lens:** 4.7-84.6 mm, f/1.6-2.8
  - Horizontal field of view: 59°-4°
  - Vertical field of view: 35°-2°
- **Autofocus**
- **Day and night:** Automatically removable infrared-cut filter
- **Minimum illumination:**
  - Color: 0.5 Lux at 30IRE f/1.6
  - B/W: 0.04 Lux at 30IRE f/1.6
- **Shutter time:** 1/28000 s to 2 s
- **Pan/Tilt/Zoom:**
  - Pan: ±135°
  - 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 zone, on-screen directional indicator

### Video
- **Video compression:** H.264 (MPEG-4 Part 10/AVC) Baseline and Main Profiles
- **Motion JPEG**
- **Resolutions:** 1920x1080 to 160x90
- **Frame rate:** Up to 30/25 fps (60/50 Hz) in all resolutions
- **Video streaming:** Multiplex, 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, WDR, backlight compensation, fine tuning of behavior at low light, text and image overlay, 20 individual 3D privacy masks

### Audio
- **Audio streaming:** Two-way
- **Audio compression:** AAC-UC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz
- **Audio input/output:** External microphone or line input, and line output

### Network
- **Network security:** Password protection, IP address filtering, HTTPS encryption, IEEE 802.1X network access control, Digest authentication, User access log, Centralized Certificate Management
- **Supported protocols:** IPv4/IPv6, HTTP, HTTPS, SSL/TLS, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS, DyndNS, NTP, RTSP, TFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, NTP/C

### System integration
- **Application Programming Interface:** Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at www.axis.com
- **AXIS Video Hosting System (AVHS) with One-Click Connection**
- **ONVIF Profile S and ONVIF Profile G, specification at www.onvif.org**
- **Analytics**
  - **AXIS Video Motion Detection 4**, audio detection, advanced gatekeeper
  - **Support for AXIS Camera Application Platform enabling installation of third-party applications**
  - www.axis.com/occap
- **Event triggers**
  - 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
- **Event actions**
  - 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
- File upload via FTP, SFTP, HTTP, HTTPS network share and email
- Notification via email, HTTP, HTTPS and TCP

### Data streaming
- Event data

### Built-in installation aids
- Pixel counter

### General
- **Casing:** **AXIS P5415-E**
- **Casing:** Smoked PC, 4X, Corner Bracket
- **Casing:** Smoked PC, 3/4" Shape, White M3.2/0
- **Casing:** Recessed Bracket
- **Casing:** Midspan Housing
- **Casing:** Pendant Bracket
- **Casing:** Wall Mount Bracket
- **Casing:** 2-1/2" Wall Mount Bracket
- **Casing:** 4-1/2" Wall Mount Bracket

### Power
- **Power:**
  - 100-240 V AC, 37 W
  - IEEE 802.3at Power Class 4
  - Multi-connector cable: 24 V DC, max 16 W
  - PoE+ midspan and power supply not included.

### Connectors
- **RJ45 for 10 BASE-T/100 BASE-TX PoE**
- Terminal blocks for DC input, 4 configurable alarm inputs/outputs, mic in line in, line out.

### Storage
- **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 www.axis.com**

### Operating conditions
- **–20 °C to 50 °C (–4 °F to 122 °F)**
- **–40 °C to 65 °C (–40 °F to 149 °F)**
- **Humidity:** 10–100% RH (condensing)
- **Humidity:** 10–80% RH (non-condensing)

### Approvals

### Dimensions
- **279 x 193 x 239 mm (11 x 7 5/8 x 9 7/16 in)**

### Weight
- **3.5 kg (7.7 lb)**

### Included accessories
- **Installation Guide, AVHS Authentication key, Windows decoder license**
- **AXI Conduit Adapter 3/4" U-Shape 30 mm**
- **Weather Cover**

### Optional accessories
- **AXIS P54 Smoked Dome**
- **AXIS T8133 Midspan 30 W 1-port**
- **AXIS T8415 Wireless Installation Tool**
- **AXIS T840P18 Corner Bracket**
- **AXIS T98A19-VE Surveillance Cabinet**
  - For more accessories, see www.axis.com

### Video management software
- **AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available on www.axis.com/techsys/software**

### Languages
- English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese

### Warranty
- **Axis 3-year warranty and Axis Extended Warranty option, see www.axis.com/warranty**
  - 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), and cryptographic software written by Eric Young (eay@cryptsoft.com).

### Environmental responsibility:
- www.axis.com/environmental-responsibility