

## AXIS Q6045 PTZ Dome Network Camera

Indoor, high-speed PTZ dome with HDTV 1080p



> HDTV 1080p and 20x optical zoom

> IP52-rated protection against dust and dripping water

> Shock detection

> Enhanced intelligent video

> PoE+

AXIS Q6045 is a top-of-the-line indoor PTZ dome, offering a rich viewing experience with HDTV 1080p, 20x optical zoom, and fast and precise pan/tilt performance for superb wide area coverage and great detail when zooming in. It is ideal for airports, train stations, arenas, shopping malls and warehouses.

Endless 360° pan and high zoom, in combination with high resolution, enable AXIS Q6045 to monitor an extremely wide area and provide detailed surveillance at great distances. Supporting round-the-clock pan/tilt/zoom operation, the robust camera can be automatically directed to 256 preset positions using guard tour.

AXIS Q6045 has IP52-rated protection against dust and dripping water, and support for Power over Ethernet Plus (IEEE 802.3at) using the supplied High PoE midspan. The PTZ dome also has shock detection, which mechanically detects and triggers an alarm if the camera has been hit.

AXIS Q6045 comes with built-in video analytics such as highlight compensation (which masks bright lights for ease of viewing), object removed, fence detector, object counter, enter/exit detection, autotracking and Active Gatekeeper. The camera also has substantial capacity for third-party intelligent video applications.

With an optional multi-connector cable, AXIS Q6045 supports two-way audio, I/O ports for external devices and AC/DC power. The camera has a built-in memory card slot for local storage of recordings.



# Technical Specifications – AXIS Q6045 PTZ Dome Network Camera

<b>Models</b>	AXIS Q6045 50 Hz, AXIS Q6045 60 Hz
<b>Camera</b>	
<b>Image sensor</b>	1/3" progressive scan CMOS
<b>Lens</b>	f=4.45 – 89 mm, F1.6 – 2.9, autofocus Horizontal angle of view: 62.98° – 3.49°
<b>Day and night</b>	Automatically removable infrared-cut filter
<b>Minimum illumination</b>	Color: 0.6 lux at 30 IRE F1.6 B/W: 0.04 lux at 30 IRE F1.6
<b>Shutter time</b>	1/33000 s to 1/3 s (50 Hz), 1/33000 s to 1/4 s (60 Hz)
<b>Pan/Tilt/Zoom</b>	Pan: 360° endless, 0.05° – 450°/s Tilt: 180°, 0.05° – 450°/s 20x optical zoom and 12x digital zoom, total 240x zoom E-flip, 256 presets, Tour recording, Guard tour, Control queue, On-screen directional indicator
<b>Video</b>	
<b>Video compression</b>	H.264 Main and Baseline Profiles (MPEG-4 Part 10/AVC) Motion JPEG
<b>Resolutions</b>	1920x1080 (HDTV 1080p) to 320x180
<b>Frame rate</b>	H.264: Up to 25/30 fps (50/60 Hz) in all resolutions Motion JPEG: Up to 25/30 fps (50/60 Hz) 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>	Wide dynamic range (WDR), Highlight compensation, Manual shutter time, Compression, Color, Brightness, Sharpness, White balance, Exposure control, Exposure zones, Backlight compensation, Fine tuning of behavior at low light, Rotation, Text and image overlay, 32 individual 3D privacy masks, Image freeze on PTZ
<b>Audio</b>	
<b>Audio streaming</b>	Two-way
<b>Audio compression</b>	AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate
<b>Audio input/output</b>	Requires multi-connector cable (sold separately) for external microphone or line input, and line output
<b>Network</b>	
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, Digest authentication, User access log
<b>Supported protocols</b>	IPv4/v6, HTTP, HTTPS <sup>a</sup> , SSL/TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>TM</sup> , SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS
<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 Camera Connection ONVIF Profile S; specifications at <a href="http://www.onvif.org">www.onvif.org</a>

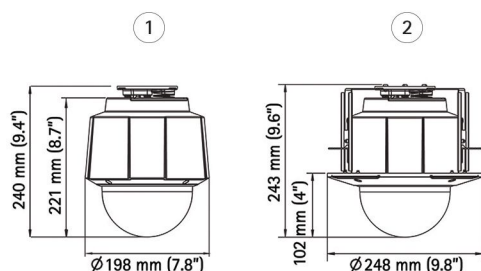
<b>Intelligent video</b>	Basic analytics (not to be compared with third-party analytics): Video motion detection, Highlight compensation, Object removed, Enter/exit detector, Fence detector, Object counter Autotracking, Active Gatekeeper, AXIS Camera Application Platform enabling installation of additional applications
<b>Event triggers</b>	Video motion detection, Audio detection, Enter/exit, Fence detector, Object removed, Shock detection, Fan, External input, Manual trigger, Autotracking, PTZ preset, Guard tour, Edge storage events, AXIS Camera Application Platform
<b>Event actions</b>	File upload: FTP, HTTP, network share and email Notification: email, HTTP and TCP External output, PTZ preset, Guard tour, Play audio clip, Video and audio recording to edge storage, Autotracking, Day/night mode, Pre- and post-alarm video buffering
<b>Built-in installation aids</b>	Pixel counter
<b>General</b>	
<b>Casing</b>	IP52-rated metal casing (aluminum), acrylic (PMMA) clear dome
<b>Memory</b>	512 MB RAM, 128 MB Flash
<b>Power</b>	Power over Ethernet Plus (PoE+) IEEE 802.3at, max. 30 W AXIS T8123 High PoE Midspan 1-port: 100–240 V AC, max. 37 W 24–34 V DC, max. 19 W; 20–24 V AC, max. 27 VA
<b>Connectors</b>	RJ45 for 10BASE-T/100BASE-TX PoE Multi-connector (cable sold separately) for AC/DC power, 4 configurable alarm inputs/outputs, mic in, line mono input, line mono output to active speaker
<b>Edge storage</b>	SD/SDHC/SDXC slot supporting memory card up to 64 GB (card not included); support for recording to dedicated network-attached storage (NAS)
<b>Operating conditions</b>	0 °C to 50 °C (32 °F to 122 °F) Humidity 10–85% RH (non-condensing)
<b>Storage conditions</b>	–40 °C to 65 °C (–40 °F to 149 °F)
<b>Approvals</b>	EN 55022 Class A, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, EN 55024, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, C-tick AS/NZS CISPR 22 Class A, KCC KN22 Class A, KN24, IEC/EN/UL 60950-1, IEC/EN 60529 IP52, IEC 60721-4-3 Class 3K3, 3M3, IEC 60068-2 Midspan: EN 60950-1, GS, UL, cUL, CE, VCCI, CB, KCC, UL-AR
<b>Weight</b>	Camera: 2.6 kg (5.7 lb.); with drop-ceiling mount: 3.2 kg (7.1 lb.)
<b>Included accessories</b>	AXIS T8123 High PoE Midspan 1-port, Mounting kit for hard and drop ceilings, Smoked dome cover, Installation Guide, Installation and Management Software CD, Windows decoder 1-user license
<b>Video management software</b>	AXIS Camera Companion (included), AXIS Camera Station and video management software from Axis' Application Development Partners (not included)
<b>Warranty</b>	Axis 3-year warranty and AXIS Extended Warranty option, see <a href="http://www.axis.com/warranty">www.axis.com/warranty</a>

- a. 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)).

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

## Dimensions

1. Hard-ceiling mount
2. Drop-ceiling mount



## Optional accessories

1. Axis mounting accessories
2. AXIS T90A Illuminators
3. Multi-connector cable for AC/DC power, I/Os and audio
4. AXIS T8310 Video Surveillance Control Board

