AXIS
COMMUNICATIONS

AXIS Q6045 Mk II PTZ Dome Network Camera
Indoor, high-speed PTZ dome with HDTV 1080p

> HDTV 1080p and 32x optical zoom

> IP52-rated protection against dust and dripping water

> Shock detection

> Enhanced intelligent video

> Audio and I/O

AXIS Q6045 Mk II is a top-of-the-line indoor PTZ dome, offering a rich viewing experience with HDTV 1080p, 32x 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 Mk II 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 Mk II 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 Mk II 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 Mk II 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.

HDTV
NETWORK VIDEO

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Technical Specifications - AXIS Q6045 Mk II PTZ Dome Network Camera

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Models	AXIS Q6045 Mk II 50 Hz, AXIS Q6045 Mk II 60 Hz

Camera

Image sensor	Progressive scan CMOS 1/2.8"
Lens	f=4.44 - 142.6 mm, 1.6 - 4.41, Autofocus, 62.8˚ - 2.23˚ view[a]
Day and night	Automatically removable infrared-cut filter
Minimum illumination	Color: 0.3 lux at 30 IRE F1.6 B/W: 0.03 lux at 30 IRE F1.6
Shutter time	1/33000 s to 1/3 s (50 Hz), 1/33000 s to 1/4 s (60 Hz)
Pan/Tilt/Zoom	Pan: 360° endless, 0.05° – 450°/s Tilt: 180°, 0.05° – 450°/s 32x Optical zoom and 12x Digital zoom, Total 384x zoom E-flip, 256 presets, Tour recording, Guard tour, Control queue, On-screen directional indicator, Set new pan 0°

Video

Video compression	H.264 Main and Baseline Profiles (MPEG-4 Part 10/AVC) Motion JPEG
Resolutions	1920x1080 (HDTV 1080p) to 320x180
Frame rate	Up to 50/60 fps (50/60 Hz) in HDTV 720p Up to 25/30 fps (50/60 Hz) in HDTV 1080p
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth; VBR/CBR H.264
Image settings	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, Automatic defog

Audio

Audio streaming	Two-way
Audio compression	AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate
Audio input/output	Requires multi-connector cable (sold separately) for external microphone or line input, and line output

Network

Security	Password protection, IP address filtering, HTTPS[b] encryption, IEEE 802.1X[b] network access control, Digest authentication, User access log, Centralized certificate management
Supported protocols	IPv4/v6, HTTP, HTTPS[b], SSL/TLS[b], QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH

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 Camera Connection ONVIF Profile S; specifications at *www.onvif.org*

Intelligent video	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
Event triggers	Video motion detection, Audio detection, Enter/exit, Fence detector, Object removed, Shock detection, Fan, External input, Manual trigger, Autotracking, PTZ moving, PTZ preset, Edge storage events, AXIS Camera Application Platform
Event actions	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
Built-in installation aids	Pixel counter

General

Casing	IP52-rated metal casing (aluminum), Acrylic (PMMA) clear dome
Memory	512 MB RAM, 128 MB Flash
Power	Power over Ethernet Plus (PoE+) IEEE 802.3at, max. 30 W Axis 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
Connectors	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
Edge storage	SD/SDHC/SDXC slot supporting memory card up to 64 GB (card not included); Support for recording to dedicated network-attached storage (NAS)
Operating conditions	0 °C to 50 °C (32 °F to 122 °F) Humidity 10–85% RH (non-condensing)
Storage conditions	-40 ℃ to 60 ℃ (-40 ℉ to 140 ℉)
Approvals	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
Dimensions	Hard-ceiling: Ø198 x 240 mm (Ø7.8 x 9.4 in), Drop-ceiling: Ø248 x 243 mm (Ø9.8 x 9.6 in)
Weight	Camera: 2.6 kg (5.7 lb); with drop-ceiling mount: 3.2 kg (7.1 lb)
Included accessories	Axis High PoE Midspan 1-port, Recessed mount for hard and drop ceilings, Smoked dome cover, Installation Guide, Installation and Management Software CD, Windows decoder 1-user license
Optional accessories	Axis mounting accessories, AXIS T90A Illuminators, Multi-connector cable for AC/DC power, I/Os and audio, AXIS T8310 Video Surveillance Control Board
Video management software	AXIS Camera Companion (included), AXIS Camera Station and video management software from Axis' Application Development Partners (not included)
Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see *www.axis.com/warranty*

a. *Horizontal angle of view*
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).*

More information is available at www.axis.com

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