AXIS Q6045–C Mk II PTZ Dome Network Camera
High-speed HDTV 1080p PTZ dome with active cooling

AXIS Q6045-C Mk II provides the highest video quality and performance surveillance in environments with high ambient temperatures and solar radiation. With its built-in active cooling system, it can operate in temperatures up to 75 °C (167 °F). It meets the tough military standard MIL-STD-810G, ensuring reliable operation in harsh weather conditions such as sandstorms. In fog, automatic defog provides clearer video. AXIS Q6045-C Mk II offers HDTV 1080p and 32x optical zoom with autofocus, day/night functionality, shock detection and enhanced capacity for intelligent video. Built-in analytics include autotracking, Active Gatekeeper, fence detector, object removed and enter/exit detection.

> **Operates in temperatures up to 75 °C (167 °F)**
> **Outdoor-ready, meet military standard**
> **HDTV 1080p and 32x optical zoom**
> **SFP slots for fiber, RJ45 connections**
> **I/O for alarm in/out**

AXIS Q6045-C Mk II PTZ Dome Network Camera

Models	AXIS Q6045-C Mk II 60 Hz AXIS Q6045-C Mk II 50 Hz

Camera

Image sensor	1/2.8" Progressive Scan CMOS
Lens	4.44-142.6 mm, F1.6-4.41 Horizontal angle of view: 62.8˚-2.23˚ Vertical angle of view: 36.8˚-1.3˚ Autofocus, Auto-iris
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 with 50 Hz 1/33000 s to 1/4 s with 60 Hz
Pan/Tilt/Zoom	Pan: 360° endless, 0.05°-450°/s Tilt: 220°, 0.05°-450°/s 32x optical zoom and 12x digital zoom, total 384x zoom E-flip, 256 preset positions, Tour recording, Guard tour, Control queue, On-screen directional indicator, Set new pan 0°, Adjustable zoom speed

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline and Main Profiles Motion JPEG
Resolutions	HDTV 1080p 1920x1080 to 320x180 HDTV 720p 1280x720 to 320x180
Frame rate	Up to 60/50 fps (60/50 Hz) in HDTV 720p Up to 30/25 fps (60/50 Hz) in HDTV 1080p
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth VBR/MBR H.264
Image settings	Wide Dynamic Range (WDR): Up to 120 dB depending on scene, manual shutter time, compression, color, brightness, sharpness, white balance, exposure control, exposure zones, backlight compensation, fine tuning of behavior at low light, rotation: 0°, 180°, text and image overlay, 32 individual 3D privacy masks, image freeze on PTZ, highlight compensation, automatic defog

Network

Security	Password protection, IP address filtering, HTTPS[a] encryption, IEEE 802.1X[a] network access control, Digest authentication, User access log, Centralized Certificate Management
Supported protocols	IPv4/v6, HTTP, HTTPS[a], SSL/TLS[a], QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, 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 Connection ONVIF Profile S, specifications at www.onvif.org
Analytics	Video motion detection, Shock detection, Autotracking, Active Gatekeeper Basic Analytics (not to be compared with third-party analytics): Object removed, Enter/Exit detector, Fence detector, Object counter, Highlight compensation Support for AXIS Camera Application Platform enabling installation of AXIS Cross-line detection and third-party applications, see www.axis.com/acap
Event triggers	Analytics, Fan, Temperature, Manual trigger, PTZ moving, PTZ preset, Edge storage events
Event actions	File upload: FTP, SFTP, HTTP, HTTPS network share and email

	Notification: email, HTTP, HTTPS and TCP External output activation Video recording to edge storage Pre- and post-alarm video buffering PTZ preset, Overlay text, Send SNMP trap
Data streaming	Event data
Built-in installation aids	Pixel counter

General

Casing	IP66-, NEMA 4X- and IK10-rated metal casing (aluminum), polycarbonate (PC) clear dome, sunshield (PC/ASA)
Memory	512 MB RAM, 128 MB Flash Battery backed-up real-time clock
Power	12.0-13.2 V DC, min. 75 W
Connectors	IP66-rated multi-connector for DC power, RJ45 10BASE-T/100BASE-TX and I/O, including 5 m (16 ft) cable
Edge storage	Support for SD/SDHC/SDXC card Support for recording to dedicated network-attached storage (NAS) For SD card and NAS recommendations see www.axis.com
Operating conditions	-20 °C to 75 °C (-4 °F to 167 °F) Humidity 10-100% RH (condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
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 EN 50121-4, IEC 62236-4, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, NEMA 250 Type 4X EN 60950-1, EN 60950-22, IEC/EN 60529 IP66, MIL-STD-810G 500.5 - Low pressure, 501.5 - High temperature, 502.5 - Low temperature, 503.5 - Temperature shock, 505.5 - Solar radiation, 506.5 - Rain, 507.5 - Humidity, 509.5 - Salt fog, 510.5 - Sand and dust[b]
Weight	5.6 kg (12.4 lb)
Dimensions	Ø302 x 330 mm (Ø12 x 13 in)
Included accessories	AXIS T8605 Media Converter Switch, 5 m (16 ft) IP66-rated multi-connector cable Installation Guide, Windows decoder 1-user license
Optional accessories	Power Supply, SFP modules, AXIS T91A Mounting Accessories, Smoked dome cover, AXIS P8221 Network I/O Audio Module AXIS T90 Illuminators, AXIS T8310 Video Surveillance Control Board, Installation Display, Multi-user decoder license pack
Video management software	AXIS Camera Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on www.axis.com/techsup/software
Languages	German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese
Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty

a. *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).*
b. *Protected against entry of sand and dust. Clear/smoked dome cover may need to be replaced if exposed to sandblasts*

More information is available at www.axis.com

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