

AXIS Q6045-S Mk II PTZ Dome Network Camera

Pressurized, stainless steel PTZ dome with HDTV 1080p

AXIS Q6045-S Mk II is a high-speed surveillance camera in a pressurized, marine-grade stainless steel casing. With endless 360° pan and 32x optical zoom with autofocus, it provides wide area coverage and detailed surveillance in HDTV 1080p resolution. Highlight compensation masks bright lights for ease of viewing. The stainless steel casing gives the camera high resistance to corrosion, cleaning chemicals and high-pressure steam. The casing can be filled with nitrogen to prevent internal condensation and create a nonflammable environment. The media converter switch allows for daisy chain installation using standard network or fiber optic cables.

- > [Marine-grade stainless steel](#)
- > [Casing for pressurized nitrogen](#)
- > [HDTV 1080p and 32x optical zoom](#)
- > [SFP slots for fiber, RJ45 connections](#)
- > [I/O for alarm in/out](#)



AXIS Q6045-S Mk II PTZ Dome Network Camera

Models	AXIS Q6045-S Mk II 60 Hz AXIS Q6045-S Mk II 50 Hz	External output activation Video recording to edge storage Pre- and post-alarm video buffering PTZ preset, Overlay text, Send SNMP trap
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 Color: 0.5 lux at 50 IRE F1.6 B/W: 0.04 lux at 50 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 TM , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, NTCIP	
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 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	
Data streaming	Event data	
Built-in installation aids	Pixel counter	
General		
Casing	IP6K9K-, IP66-, IP67-, NEMA 4X-, NEMA 6P- and IK10-rated ^b stainless steel casing (V4A, SAE 316L/UNS S31603/EN 1.4432), Nylon clear dome	
Memory	512 MB RAM, 128 MB Flash Battery backed-up real-time clock	
Power	Multi-connector cable: 12.0-13.2 V DC, min 75 W	
Connectors	RJ45 10BASE-T/100BASE-TX, IP66-rated multi-connector for DC power, input and output, including 7 m (23 ft) cable	
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	-30 °C to 50 °C (-22 °F to 122 °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 KCC KN22 Class A, KN24, IEC/EN/UL 60950-1 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 IEC/EN/UL 60950-22, IEC 60068-2-30, IEC 60068-2-60, IEC 60068-2-78 IEC/EN 60529 IP66, IP67, IP6K9K, NEMA 250 Type 6P, MIL-STD 810G 509.5	
Weight	5.7 kg (12.6 lb)	
Dimensions	Without sunshield: Ø224 x 256 mm (Ø8.8 x 10.1 in), With sunshield: Ø250 x 256 mm (Ø9.8 x 10.1 in)	
Included accessories	AXIS T8605 Media Converter Switch, 7 m (23 ft) IP66-rated multi-connector cable Installation Guide, Windows decoder 1-user license	
Optional accessories	Power Supply, SFP modules, Wall bracket, AXIS T91C67 Pole Bracket, AXIS T91C61 Wall Mount, AXIS T94S01D Pendant kit (1 1/2" NPT male Thread Adapter), Smoked dome cover, Stainless steel sunshield, 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	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. 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 (ey@cryptsoft.com).
b. Except valves on top

Environmental responsibility:

www.axis.com/environmental-responsibility