

AXIS Q6035/-E PTZ Dome Network Cameras

HDTV 1080p PTZ domes with 20x zoom for the ultimate video quality.



- > HDTV 1080p 25/30 fps
- > HDTV 720p 50/60 fps
- > Day/night and H.264
- > 20x optical zoom
- > Active Gatekeeper and tour recording
- > High Power over Ethernet

For the highest video quality and performance, AXIS Q6035/-E PTZ Dome Network Cameras are the choice. The indoor and outdoor-ready PTZ domes provide high-definition surveillance of large areas and great details when zooming in. The high-speed PTZ domes are ideal for city and perimeter surveillance, and for airports, seaports and casinos.

AXIS Q6035/-E cameras offer a rich viewing experience, providing clear video of movements and sharp details for identification purposes. The HDTV 1080p complies with the SMPTE 274M standard regarding a 1920x1080 pixel resolution, full frame rate at 25/30 frames per second, HDTV color fidelity and a 16:9 format.

The cameras also support 50/60 frames per second in HDTV 720p, ideal for applications that require the capture of quick movements and smoother video.

The cameras' 20x optical zoom, in combination with the HDTV 1080p resolution, results in sharp and powerful zoomed-in views.

Support for High Power over Ethernet simplifies installation. The indoor AXIS Q6035 is IP52-rated, ensuring protection against dust and dripping water. The outdoor AXIS Q6035-E, with IP66 and NEMA 4X ratings, is protected against rain, sun, snow and ice. Incorporating Axis' Arctic Temperature Control, the outdoor camera can start up even at -40 °C (-40 °F).



Hard and drop ceiling brackets are included for AXIS Q6035. Other mounting brackets are sold separately.



AXIS Q6035/-E cameras are ideal for mission-critical surveillance

In addition to offering the best video quality with HDTV 1080p, AXIS Q6035/-E PTZ Dome Network Cameras provide the highest reliability and pan/tilt/zoom performance for surveillance of large indoor and outdoor areas under wide operating conditions.

Ultimate video quality with high-speed pan/tilt/zoom

AXIS Q6035/-E cameras enable full frame rate video in HDTV 1080p, which provides more than twice the number of pixels compared with HDTV 720p. When the cameras use HDTV 720p, users get double the number of frames in a second (50/60 fps) for even smoother video.



Overview



Zoomed in

The high resolution together with 20x optical zoom with autofocus results in exception zoomed-in details. AXIS Q6035/-E provides a fast pan/tilt speed of 450° per second, enabling the camera to get to a different viewing position very quickly.

The cameras support multiple H.264 and Motion JPEG video streams. H.264 greatly optimizes bandwidth and storage without compromising image quality.

Day/night functionality and wide dynamic range

The cameras provide day/night functionality with an automatically removable IR-cut filter for clear video, even in low light conditions. The wide dynamic range functionality enables better visibility of objects in both dark and light areas of a scene.



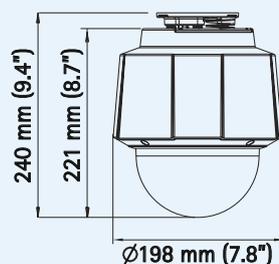
Without WDR



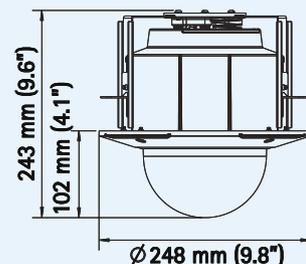
With WDR

Dimensions

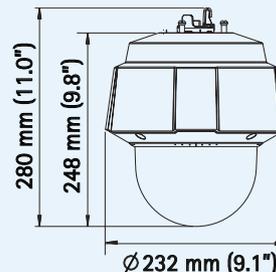
AXIS Q6035
Hard ceiling mount



AXIS Q6035
Drop ceiling mount



AXIS Q6035-E



Tour recording



The tour recording functionality in AXIS Q6035/-E enables easy setup of an automatic tour using a device such as a joystick to record an operator's pan/tilt/zoom movements and length of time spent at each point of interest. The tour can then be activated at a touch of a button or at a scheduled time.

Active Gatekeeper

Active Gatekeeper enables AXIS Q6035/-E cameras to automatically move to a preset position—to zoom in, for instance, on a license plate—when motion is detected in a pre-defined area, and to track the detected object.



Reliable and easy installation

AXIS Q6035/-E cameras are powered using High Power over Ethernet, enabling easy installation. The cameras connect to the supplied High PoE midspan with one network cable for carrying power, video/audio and PTZ controls. The midspan is then connected to a switch.

AXIS Q6035/-E cameras have IP ratings, in addition to a NEMA rating for the outdoor cameras, ensuring easy installation and reliable operation in indoor or outdoor environments. No additional enclosures are required. The Arctic Temperature Control functionality in the outdoor PTZ cameras also ensures that the cameras can start up even at $-40\text{ }^{\circ}\text{C}$ ($-40\text{ }^{\circ}\text{F}$) following a power failure.

The cameras are also designed with easy bayonet mounting to Axis' standard mounting accessories for ceiling, wall, pole or corner installations. Mounting brackets for hard and soft ceilings are included with the indoor AXIS Q6035. Watch how easy it is to install the cameras at www.axis.com/products/video/camera/ptz_domes/installation/



Intelligent video, audio and alarm management

Intelligent video functions such as video motion detection, audio detection and applications supported by AXIS Camera Application Platform can be used as alarm triggers to activate recording and send notifications via e-mail, HTTP and TCP.

When an optional multi-connector cable is used, the indoor AXIS Q6035 enables users to remotely listen in and communicate with, for example, intruders. The cable also allows the indoor camera to connect to external devices such as sensors and relays to, for example, turn on lights or lock doors when an alarm is triggered.

Optional accessories

AXIS T91A Mounting Accessories



Wall



Corner



Pendant kit



Ceiling

AXIS Q603x-E Smoked Dome B



Free of charge when ordered together with the outdoor camera

AXIS T90A Illuminators



AXIS T8310 Video Surveillance Control Board



AXIS T8122 DC 30 W Midspan



For AXIS Q6035: Multi-connector cable for AC/DC power, I/Os and audio



For AXIS Q6035-E: AXIS P8221 Network I/O Audio Module



AXIS Camera Station and video management software from Axis' Application Development Partners. For more information, see www.axis.com/products/video/software/

Technical specifications – AXIS Q6035/-E PTZ Dome Network Cameras

Cameras		System integration	
Models	AXIS Q6035 60 Hz, AXIS Q6035 50 Hz AXIS Q6035-E 60 Hz, AXIS Q6035-E 50 Hz	Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform from Axis Communications; specifications available at www.axis.com Includes the ONVIF specification available at www.onvif.org Supports AXIS Video Hosting System (AVHS) with One-Click Camera Connection
Image sensor	1/2.8 progressive scan CMOS	Intelligent video	Video motion detection, auto-tracking, Active Gatekeeper, AXIS Camera Application Platform enabling installation of additional applications AXIS Q6035: Audio detection
Lens	f=4.7 - 94 mm, F1.6 - 3.5 autofocus, automatic day/night, horizontal angle of view: 54.1° - 2.9° in HDTV 1080p horizontal angle of view: 37.6° - 2° in HDTV 720p	Alarm triggers	Video motion detection, auto-tracking, AXIS Camera Application Platform, PTZ preset, temperature, memory card full AXIS Q6035: Audio detection, external input
Minimum illumination	Color: 0.8 lux at 30 IRE F1.6 B/W: 0.04 lux at 30 IRE F1.6	Alarm events	File upload via FTP, HTTP and email Notification via email, HTTP and TCP PTZ preset, guard tour, local storage, auto-tracking Pre- and post-alarm video buffering AXIS Q6035: External output, play audio clip
Shutter time	1/30000 s to 1/4 s	General	
Pan/tilt/zoom	E-flip, 100 preset positions 20x optical zoom and 12x digital zoom, total 240x zoom Pan: 360° endless, 0.05° - 450°/s AXIS Q6035: Tilt: 180°, 0.05° - 450°/s AXIS Q6035-E: Tilt: 220°, 0.05° - 450°/s	Casing	Acrylic (PMMA) clear dome AXIS Q6035: IP52-rated, metal casing (aluminum) AXIS Q6035-E: IP66- and NEMA 4X-rated metal casing (aluminum), sunshield (PC/ASA)
Pan/tilt/zoom functionalities	Tour recording, guard tour, control queue On-screen directional indicator	Processors and memory	ARTPEC-3, 256 MB RAM, 128 MB Flash
Video		Power	AXIS Q6035: Power over Ethernet Plus IEEE 802.3at, max. 30 W 24-34 V DC, max. 20 W; 20-24 V AC, max. 30 VA AXIS T8123 High PoE Midspan 1-port: 100-240 V AC AXIS Q6035-E: High Power over Ethernet, max. 60 W AXIS T8124 High PoE Midspan 1-port: 100-240 V AC, max. 74 W
Video compression	H.264 (MPEG-4 Part 10/AVC) Motion JPEG	Connectors	RJ-45 for 10BASE-T/100BASE-TX PoE AXIS Q6035: Multi-connector (cable not included) for AC/DC power, 4 configurable alarm inputs/outputs, mic in, line mono input, line mono output to active speaker AXIS Q6035-E: IP66-rated RJ-45 connector kit included
Resolutions	HDTV 1080p 1920x1080 to 320x180 HDTV 720p 1280x720 to 320x180	Local storage	SD/SDHC memory card slot (Card is not included)
Frame rate	H.264: Up to 30/25 fps (60/50 Hz) in HDTV 1080p H.264: Up to 60/50 fps (60/50 Hz) in HDTV 720p Motion JPEG: Up to 25 fps (60/50 Hz) in HDTV 1080p Motion JPEG: Up to 50 fps (60/50 Hz) in HDTV 720p	Operating conditions	AXIS Q6035: 0 °C to 50 °C (32 °F to 122 °F) Humidity 20 - 80% RH (non-condensing) AXIS Q6035-E: -40 °C to 50 °C (-40 °F to 122 °F) Arctic Temperature Control enables camera start-up at temperatures as low as -40 °C (-40 °F)
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth VBR/CBR H.264	Approvals	EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, EN 55024, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, C-tick AS/NZS CISPR 22 AXIS Q6035: IEC 60529 IP52, IEC 60721-4-3 Class 3K3, 3M3, EN/IEC 60068-2, EN 60950-1, KCC Class B AXIS Q6035-E: IEC 60529 IP66, NEMA 250 Type 4X, KCC Class A IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-78, IEC 60068-2-14, IEC 60068-2-30, IEC 60068-2-6, IEC 60068-2-27, IEC 60068-2-60, ISO 4892-2, EN 60950-22 Midspan: GS, UL, cUL, CE, FCC, VCCI, CB, KCC, UL-AR
Image settings	Wide dynamic range (WDR), 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, 3D privacy mask, image freeze on PTZ	Weight	AXIS Q6035: Camera: 2.6 kg (5.7 lb.), camera with drop-ceiling mount: 3.2 kg (7.1 lb.) AXIS Q6035-E: 3.5 kg (7.7 lb.)
Audio support, AXIS Q6035 only		Included accessories	Clear dome cover, Installation Guide, CD with User's Manual, recording software, installation and management tools, Windows decoder 1-user license AXIS Q6035: AXIS T8123 High PoE Midspan 1-port, smoked dome cover, mounting kit for hard and drop ceilings AXIS Q6035-E: Sunshield, IP66-rated RJ-45 connector kit, AXIS T8124 High PoE Midspan 1-port
Audio streaming	Two-way		
Audio compression	AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate		
Input/output	Requires multi-connector cable (not included) for external microphone or line input, and line output		
Network			
Security	Password protection, IP address filtering, HTTPS encryption*, IEEE 802.1X network access control*, digest authentication, user access log		
Supported protocols	IPv4/v6, HTTP, HTTPS*, QoS Layer 3 DiffServ, FTP, SMTP, Bonjour, UPnP, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS		

* This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (www.openssl.org)

More information is available at www.axis.com