DATASHEET

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 is vandal-resistant and IP66- and NEMA 4X-rated for protection 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.

The high resolution, together with 20x optical zoom with autofocus, results in exceptional 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.

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.

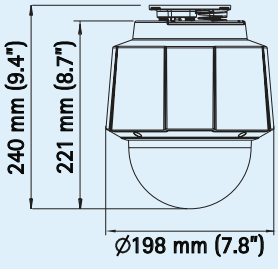
To see video examples from AXIS Q6035-E, visit www.axis.com/products/cam_q6035e/video

AXIS Q6035-E lets you read texts 1.6 km (1 mile) away. At left, a snapshot of the wide view in HDTV 1080p; at right, 20x optical zoom on a cargo vessel with an inset of the text.

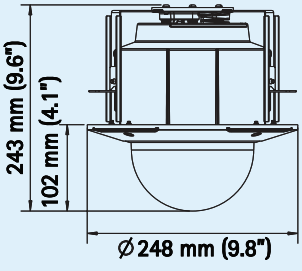
AXIS Q6035-E captures license plate of car 275 m (900 ft.) away. At left, a snapshot of the wide view in HDTV 1080p; at right, 20x optical zoom on a car with an inset of the license plate.

Dimensions

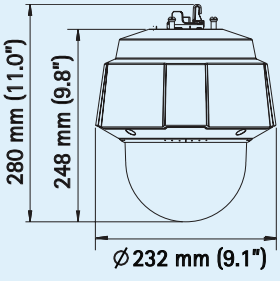
AXIS Q6035
Hard ceiling mount



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

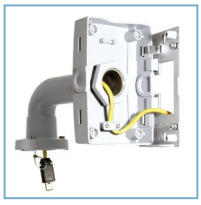
Active Gatekeeper enables AXIS Q6035/-E cameras to automatically move to a preset position—to zoom in, for instance, on a license plate—when motion is detected in a pre-defined area, and to track the detected object.

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 NEMA 4X and IK09 ratings for the outdoor camera, 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 camera also ensures that the camera can safely start up even at -40 °C (-40 °F).

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 mounting accessories

Wall

Corner

Pendant kit

Ceiling

For AXIS Q6035-E: RJ45 IP66-rated cable with premounted connector (Cat-6) 5 m

Smoked dome

Free of charge when ordered together with the outdoor camera

AXIS T90A Illuminators

AXIS T8310 Video Surveillance Control Board

AXIS T81B22 DC 30 W Midspan

For AXIS Q6035: AXIS P55/Q60 Multi-connector Cable 5 m (for AC/DC power, I/Os and audio)

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

AXIS Camera Companion (included), AXIS Camera Station and video management software from Axis' Application Development Partners (not included). See www.axis.com/products/video/software/

49599/EN/R2/1301

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

Cameras	
Models	AXIS Q6035 60 Hz, AXIS Q6035 50 Hz AXIS Q6035-E 60 Hz, AXIS Q6035-E 50 Hz
Image sensor	1/2.8 progressive scan CMOS
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
Minimum illumination	Color: 0.8 lux at 30 IRE F1.6 B/W: 0.04 lux at 30 IRE F1.6
Shutter time	1/30000 s to 1/4 s
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
Pan/tilt/zoom functionalities	Tour recording, guard tour, control queue On-screen directional indicator
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Motion JPEG
Resolutions	HDTV 1080p 1920x1080 to 320x180 HDTV 720p 1280x720 to 320x180
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
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), 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
Audio support, AXIS Q6035 only	
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 (sold separately) 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*, SSL/TLS*, 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

** 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

System integration	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform from Axis Communications; specifications available at www.axis.com ONVIF, specification available at www.onvif.org; AXIS Video Hosting System (AVHS) with One-Click Camera Connection
Intelligent video	Video motion detection, autotracking, Active Gatekeeper, AXIS Camera Application Platform enabling installation of additional applications **AXIS Q6035:** Audio detection
Event triggers	Video motion detection, autotracking, AXIS Camera Application Platform, PTZ preset, temperature, memory card full **AXIS Q6035:** Audio detection, external input
Event actions	File upload: FTP, HTTP, network share and email notification: email, HTTP and TCP; PTZ preset, guard tour, video recording to edge storage, autotracking, day/night mode, pre- and post-alarm video buffering **AXIS Q6035:** External output, play audio clip, audio recording to edge storage
Data streaming	Event data
Installation aid	Pixel counter
General	
Casing	**AXIS Q6035:** IP52-rated, metal casing (aluminum), acrylic (PMMA) clear dome **AXIS Q6035-E:** IP66-, NEMA 4X- and IK09-rated, metal casing (aluminum), polycarbonate (PC) clear dome, sunshield (PC/ASA)
Memory	256 MB RAM, 128 MB Flash
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
Connectors	RJ45 for 10BASE-T/100BASE-TX PoE **AXIS Q6035:** 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 **AXIS Q6035-E:** RJ45 IP66-rated Push-pull Connector included
Edge storage	SD/SDHC/SDXC slot supporting memory card up to 64 GB (card not included); support for recording to network share (network-attached storage or file server)
Operating conditions	**AXIS Q6035:** 0 °C to 50 °C (32 °F to 122 °F); humidity 15 - 85% 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); humidity 15 - 100% RH (condensing)
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 Class B **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, IEC 62262 IK09, KCC Class A, IEC/EN/UL 60950-1, IEC/EN/UL 60950-22, 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, IEC 62236-4:2008, EN 50121-4:2006, EN 60950-22, ISO 4892-2 Midspan: GS, UL, cUL, CE, FCC, VCCI, CB, KCC, UL-AR
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.)
Included accessories	Installation Guide, Installation and Management Software CD, 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, RJ45 IP66-rated Push-pull Connector, AXIS T8124 High PoE Midspan 1-port

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