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).
**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 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.

**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 °C (-40 °F) following a power failure.

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

<table>
<thead>
<tr>
<th>AXIS T91A Mounting Accessories</th>
<th>AXIS T90A Illuminators</th>
<th>AXIS T8310 Video Surveillance Control Board</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wall</td>
<td>Ceiling</td>
<td>For AXIS Q6035-E: AXIS P8221 Network I/O Audio Module</td>
</tr>
<tr>
<td>Corner</td>
<td>Pendant kit</td>
<td>For AXIS Q6035: Multi-connector cable for AC/DC power, I/Os and audio</td>
</tr>
</tbody>
</table>

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

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
1/10000 s to 1/4 s

Pan/tilt/zoom
E-flip, 100 preset positions
20× 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

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, 3D privacy mask, 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

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
IPv4/6, 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

System integration

Application
Open API for software integration, including VAPIX® and AXIS Camera Application Platform from Axis Communications; specifications available at www.axis.com

Programming Interface
Includes the ONVIF specification available at www.onvif.org

Intelligent video
Video motion detection, auto-tracking, Active Gatekeeper, AXIS Camera Application Platform enabling installation of additional applications

AXIS Q6035: Audio detection

Alarm triggers
Video motion detection, auto-tracking, AXIS Camera Application Platform, PTZ preset, temperature, memory card full

AXIS Q6035: Audio detection, external input

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

General

Casing
Acrylic (PMMA) clear dome
AXIS Q6035-E: IP52-rated, metal casing (aluminum)
AXIS Q6035-E: IP66- and NEMA 4X-rated metal casing (aluminum), sunshield (PC/ASA)

Processors and memory
ARTPEC-3, 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
RJ-45 for 10BASE-T/100BASE-TX PoE
AXIS Q6035-E: 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

Local storage
SD/SDHC memory card slot (Card is not included)

Operating conditions
AXIS Q6035: 0 °C to 50 °C (32 °F to 122 °F)
Humidity 10% - 90% 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)

Approvals
EN 55022 Class B, EN 61000-3-2, EN 61000-3-3,
IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-78,
IEEE 802.1X network access control®, digest authentication, user access log

Supported protocols
IPv4/6, 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)

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