AXIS Q6055-E PTZ Dome Network Camera
Outdoor-ready PTZ with HDTV 1080p, 32x zoom and Zipstream

AXIS Q6055-E is a top-of-the-line, outdoor-ready PTZ dome with HDTV 1080p, 32x optical zoom, and fast and precise pan/tilt for wide area coverage and detailed surveillance at great distances. The high light sensitivity and day/night functionality ensure high image quality even in low-light conditions, while Axis’ Zipstream technology reduces bandwidth and storage requirements. With guard tour, it is possible to direct the camera automatically to 256 preset positions. Arctic Temperature Control ensures safe startup in extreme cold. AXIS Q6055-E offers shock detection, automatic defog, and built-in video analytics, such as highlight compensation, object removed, enter/exit detection, autotracking, and Active Gatekeeper.

> HDTV 1080p and 32x optical zoom
> Axis' Zipstream technology
> Built-in video analytics
> Arctic Temperature Control
> Vandal-resistant
AXIS Q6055-E PTZ Dome Network Camera

Models
AXIS Q6055-E 60 Hz
AXIS Q6055-E 50 Hz

Camera
Image sensor
1/2.8" progressive scan CMOS

Lens
4.44–142.6 mm, F1.6–4.61
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 50 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, Main and High Profiles
Motion JPEG

Resolutions
HDMI 1080p: 1920x1080 to 320x180
HDMI 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
Axis Zipstream technology
Controllable frame rate and bandwidth
VBR/MBR H.264

Image settings
Manual shutter time, compression, color, brightness, sharpness,
white balance, exposure control, exposure zones, fine tuning
of behavior at low light, rotation: 0°, 180°, text and image overlay,
32 individual privacy masks, image freeze on PTZ, automatic
defog, backlight compensation
Wide Dynamic Range (WDR): Up to 120 dB depending on scene,
highlight compensation

Network
Security
Password protection, IP address filtering, HTTPS® encryption,
IEEE 802.1X® network access control, Digest authentication, User
access log, Centralized Certificate Management

Supported protocols
IPv4/v6, HTTP, HTTPS®, SSL/TLS®, Quic Layer 3 DiffServ, FTP,
CIFS/SMB, SMTP, Bonjour, UPnP®, SNMP v1/v2c/v3 (MBI-II),
DNS, DynDNS, NTP, RTSP, RTP, SFIP, TCP, UDP, IGMP, RTCP, ICMP,
BGP, ARP, SOCKS, SSH, NTP

System integration
Application Programming Interface
Open API for software integration, including VAPID®
and AXIS Camera Application Platform; specifications at
www.axis.com
AXIS Video Hosting System (AVHS) with One-Click Connection
ONVIF Profile S, specification at www.onvif.org

Analytics
Video motion 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/apc

Event triggers
Detectors: Live stream accessed, Video motion detection, Shock
detection
Object removed, Enter/Exit detector, Fence detector, Object
counter
Hardware: Fan, Network, Temperature, Casing open
PTZ: Auto-tracking, Error, Moving, Ready, Preset Reached
Storage: Disruption, Recording
System: System Ready
Time: Recurrence, Use Schedule
Input signal: Manual trigger, Virtual input

Event actions
Day/night mode, overlay text, video recording to edge storage,
pre- and post-alarm video buffering, send SNMP trap
PTZ: PTZ preset, start/stop guard tour
File upload via FTP, SFIP, HTTP, HTTPS network share and email
Notification via email, HTTP, HTTPS and TCP

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)

Sustainability
PVC free

Memory
512 MB RAM, 128 MB Flash

Power
Axis High PoE midspan 1-port: 100–240 V AC, max 74 W
Camera consumption: typical 16 W, max 60 W

Connectors
RJ45 10BASE-T/100BASE-TX PoE, RJ45 Push-pull Connector
(IP66) included

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
With 30 W midspan:
-20 °C to 50 °C (−4 °F to 122 °F)
With 60 W midspan:
-50 °C to 50 °C (−58 °F to 122 °F)
Maximum temperature (intermittent): 60 °C (140 °F)
Arctic Temperature Control: Start-up as low as −40 °C (−40 °F)
Humidity 10–100% RH (condensing)

Storage conditions
-40 °C to 65 °C (−40 °F to 149 °F)

Approvals
EMC
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 B, IEC 61000–4-2, IEC 61000–4-3,
KLASS Klass 2, KCC KN3 Class A, KNS3
Safety
IEC/EN/UL 60950–1
IEC/EN/UL 60950–22

Environment
EN 50121-4, IEC 62236–4, IEC 60668–2–1, IEC 60668–2–2,
IEC 60668–2–4, IEC 60668–2–14, IEC 60668–2–27,
IEC 60721–4–3, NEMA 250 Type 4X, IEC 60668–2–30,
IEC 60668–2–60, IEC 60668–2–78, IEC/EN 60529 IP66,
NEMA TS-5–2003 v2.06, Subsection 2.2.7, 2.2.8, 2.2.9;
IEC 62262 IK10, ISO 4892–3

Midspan: EN 60950–1, GS, UL, cUL, CE, FCC, VCCI, CB, KCC,
UL-AR

Weight
3.7 kg (8.2 lb)

Dimensions
82x2 x 280 mm (91.1 x 11.0 in)

Included accessories
Axis High PoE 60 W midspan 1-port, RJ45 Push-pull Connector
(IP66), Sunshield
Installation Guide, Windows decoder 1-user license

Optional accessories
 AXIS T91 Mounting Accessories, AXIS T8415 Wireless Installation
Tool, AXIS T90 Illuminators, AXIS T8310 Video Surveillance
Control Board, Multi-user decoder license pack

Video management
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 (eay@cryptsoft.com).

Environmental responsibility:
www.axis.com/environmental-responsibility