AXIS Q3709-PVE Network Camera

Multi-sensor, multi-megapixel – 180° overview. One camera.

AXIS Q3709-PVE Network Camera is a fixed dome with multiple sensors that provides a broad overview with great detail. The camera's three sensors together give a 180° panoramic view with smooth capture of movements at up to 30 fps in 3 x 4K or 20 fps in 33 MP resolution. The factory-focused lenses eliminate the need for manual focusing. The camera is effectively installed indoors or outdoors with a wide operating temperature range powered by standard PoE+. AXIS Q3709-PVE is delivered with a repaintable weather shield that protects against sun, rain or snow. The camera is equipped with video motion detection as well as active tampering alarm.

> **180° panoramic overview provided by three sensors**
> **Efficient one-camera installation**
> **Factory-focused lenses**
> **3 x 4K at 30 fps or up to 33 MP resolution at 20 fps**
> **Outdoor-ready with wide operating temperature range**

ONVIF® | S

4K NETWORK VIDEO

AXIS Q3709-PVE Network Camera

Camera

Image sensor
3 x 1/2.3" progressive scan CMOS

Lens
3 x lenses, fixed focus, 5.0 mm, F2.8
Combined horizontal angle of view: 180°

Day and night
Automatically removable infrared-cut filter

Minimum illumination
Color: 2 lux, F2.8
B/W: 0.4 lux, F2.8

Shutter speed
1/23250 s to 2/5 s

Camera adjustment
Pan +/- 180°
Tilt 18°–75°

Video

Video compression
H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles
Motion JPEG

Resolution
3 x (3840x2880 to 320x240)

Frame rate
3 x 4K Ultra HD: Up to 25/30 fps with power line frequency 50/60 Hz
3 x 11 MP: Up to 16/20 fps with power line frequency 50/60 Hz
3 x 5 MP (16:9): Up to 25/30 fps with power line frequency 50/60 Hz
3 x 5 MP (4:3): Up to 16/20 fps with power line frequency 50/60 Hz

Video streaming
Multiple, individually configurable streams in H.264 and Motion JPEG
Controllable frame rate and bandwidth
VBR/CBR H.264

Image settings
Compression, Color, Brightness, Sharpness, Contrast, White balance, Exposure control, Exposure zone, Backlight compensation, WDR – dynamic contrast, Fine tuning of behavior at low light, Text and image overlay, Privacy mask, Capture alignment

Pan/Tilt/Zoom
Digital PTZ, Preset positions, Guard tour

Network

Security
Password protection, IP address filtering, HTTPS[1] encryption, IEEE 802.1X[1] network access control, Digest authentication, User access log, Centralized Certificate Management, Cross-Origin Resource Sharing

Network protocols
IPv4/v6, HTTP, HTTP/2, HTTPS[1], SSL/TLS[1], QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH

System integration

Application Programming Interface
Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at *www.axis.com*
ONVIF Profile S, specification at *www.onvif.org*

Analytics
Video motion detection, Active tampering alarm
Support for AXIS Camera Application Platform enabling installation of AXIS Video Motion Detection 3, AXIS Cross Line Detection and third-party applications, see *www.axis.com/acap*

Event triggers
Analytics, Edge storage events

Event actions
File upload: FTP, SFTP, HTTP, HTTPS, network share and email
Notification: email, HTTP, HTTPS, TCP and SNMP trap
Video recording to edge storage
Pre- and post-alarm video buffering
Overlay text

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1. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*

Built-in installation aids
Pixel counter

General

Casing
IP66- and NEMA 4X-rated, IK10 impact-resistant
aluminum casing with transparent, polycarbonate cover
and dehumidifying membrane
Encapsulated electronics
Captive screws (resistorx 30)
Color: White NCS S1002-B
For repainting instructions and impact on warranty
contact your Axis partner.

Memory
3 GB RAM, 768 MB Flash

Power
Power over Ethernet IEEE 802.3at Type 2 Class 4, max.
23.1 W, typical 16.7 W

Connectors
Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T

Storage
Support for recording to dedicated network-attached
storage (NAS)

Operating conditions
-40 °C to 55 °C (-40 °F to 131 °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
EN 55022 Class A, EN 50121-4, IEC62236-4,
EN 61000-3-2, EN 61000-3-3, EN 55024,
EN 61000-6-1, EN 61000-6-2,
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,
IEC/EN/UL 60950-22, EN 50581, IEC/EN 60529 IP66,
NEMA 250 Type 4X, IEC 60068-2-1, IEC 60068-2-2,
IEC 60068-2-30, IEC 60068-2-78, IEC/EN 62262 IK10

Dimensions
205 x 205 x 172 mm (8.1 x 8.1 x 6.8 in)

Weight
2.2 kg (4.8 lb) including weather shield

Included accessories

RJ45 Push-pull connector (IP66), L-key, Weather shield, Installation Guide, Windows decoder 3-user license

Optional accessories

Axis Mounts
AXIS PoE+ Midspans
AXIS T8604 Media Converter Switch
AXIS T8129 PoE Extender
AXIS T8415 Wireless Installation Tool
AXIS P8221 Network I/O Audio Module
RJ45 IP66-rated cables with premounted connector
(Cat 6)
For more accessories, see *www.axis.com*

Video management software

AXIS Companion version 3, AXIS Camera Station, Video management software from Axis' Application Development Partners available on *www.axis.com/ techsup/software*

Warranty

5–year warranty, see *axis.com/warranty*

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