

# AXIS Q6135-LE PTZ Network Camera

## High-speed PTZ with long-range optimizedIR

AXIS Q6135-LE offers HDTV 1080p with 32x optical zoom. It features OptimizedIR up to 250 m (820 ft) or more depending on the scene and Lightfinder 2.0 for clear, sharp images even in challenging light. Sharpdome technology allows you to see 20° above the horizon with the same sharp image quality as below. It includes orientation aid and autotracking 2 with click and track functionality. Privacy masking with mosaic lets you pixelate whole areas of the scene. It includes enhanced security features such as signed firmware, secure boot and TPM module. Plus, Axis Zipstream with support for H.264 and H.265.

- > **HDTV 1080p with 32x optical zoom**
- > **OptimizedIR (250 m/820 ft range)**
- > **Lightfinder 2.0**
- > **Autotracking 2 and orientation aid**
- > **TPM, FIPS 140-2 level 2 certified**



# AXIS Q6135-LE PTZ Network Camera

## Variants

AXIS Q6135-LE 50 Hz  
AXIS Q6135-LE 60 Hz

## Camera

### Image sensor

1/2.8" Progressive scan CMOS

### Lens

Varifocal, 4.3–137.6 mm, F1.4 – 4.0  
Horizontal field of view: 58.3°–2.4°  
Vertical field of view: 34.9°–1.3°  
Autofocus, auto-iris

### Day and night

Automatically removable infrared-cut filter

### Minimum illumination

Color: 0.06 lux at 30 IRE F1.4  
B/W: 0.008 lux at 30 IRE F1.4, 0 lux with IR illumination on  
Color: 0.09 lux at 50 IRE F1.4  
B/W: 0.01 lux at 50 IRE F1.4, 0 lux with IR illumination on

### Shutter speed

1/66500 s to 2s

### Pan/Tilt/Zoom

Pan: 360° endless, 0.05°–700°/s  
Tilt: +20 to -90°, 0.05°–500°/s  
Zoom: 32x optical, 12x digital, total 384x zoom  
Nadir flip, 256 preset positions, tour recording (max 10, max duration 16 minutes each), guard tour (max 100), control queue, on-screen directional indicator, orientation aid PTZ, set new pan 0°, adjustable zoom speed, speed dry

## System on chip (SoC)

### Model

ARTPEC-7

### Memory

1024 MB RAM, 512 MB Flash

### Compute capabilities

Machine learning processing unit (MLPU)

## Video

### Video compression

H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles  
H.265 (MPEG-H Part 2/HEVC) Main Profile  
Motion JPEG

### Resolution

1920x1080p (HDTV 1080p) to 320x180

### Frame rate

Up to 50/60 fps (50/60 Hz) in 1080p

### Video streaming

Multiple, individually configurable streams in H.264, H.265 and Motion JPEG  
Axis Zipstream technology in H.264 and H.265  
Controllable frame rate and bandwidth  
VBR/ABR/MBR H.264/H.265  
Low latency mode

### Image settings

Compression, saturation, brightness, sharpness, contrast, local contrast, white balance, exposure control, exposure zones, Forensic WDR: Up to 120 dB depending on scene, defogging, day/night shift level, tone mapping, fine tuning of low-light behavior, rotation: 0°, 180°, text and image overlay, image freeze on PTZ, electronic image stabilization (EIS), scene profiles, 32 individual polygon privacy masks

### Signal-to-noise ratio

>55 dB

## Audio

### Audio input/output

Audio features through portcast technology: two-way audio connectivity, voice enhancer

## Network

### Network protocols

IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS<sup>1</sup>, HTTP/2, TLS<sup>1</sup>, QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, NTCIP, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)

## System integration

### Application Programming Interface

Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at [axis.com](https://axis.com)

One-Click Cloud Connection

ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and ONVIF® Profile T, specification at [onvif.org](https://onvif.org)

### Video management systems

Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station 5, and video management software from Axis' partners available at [axis.com/vms](https://axis.com/vms).

### Event conditions

Analytics

Device status: above operating temperature, above or below operating temperature, below operating temperature, fan failure, IP address removed, network lost, new IP address, shock detected, storage failure, system ready, within operating temperature

Edge storage: recording ongoing, storage disruption

I/O: manual trigger, virtual input

MQTT subscribe

PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready, PTZ autotracking

Scheduled and recurring: scheduled event

Video: live stream open, day/night mode

### Event actions

Record video: SD card and network share

Pre- and post-alarm video or image buffering for recording or upload

Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share, and email

Notification: email, HTTP, HTTPS, TCP, and SNMP trap

PTZ: PTZ preset, guard tour

Overlay text, day/night mode

WDR mode

IR illumination

MQTT publish

### Built-in installation aids

Pixel counter, leveling guide

## Analytics

### Applications

Included

AXIS Object Analytics, AXIS Scene Metadata, AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, Autotracking 2, Active Gatekeeper

Support for AXIS Camera Application Platform enabling installation of third-party applications, see [axis.com/acap](https://axis.com/acap)

### AXIS Object Analytics

Object classes: humans, vehicles

Scenarios: line crossing, object in area, crossline counting, time in area

Up to 10 scenarios

Other features: triggered objects visualized with trajectories, color-coded bounding boxes and tables  
Polygon include/exclude areas

Perspective configuration

ONVIF Motion Alarm event

### AXIS Scene Metadata

Object classes: humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates

Object attributes: confidence, position

1. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([openssl.org](https://openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).

## Approvals

### EMC

EN 55032 Class A, EN 55035, EN 55024, EN 50121-4, IEC 62236-4, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2

**Australia/New Zealand:** RCM AS/NZS CISPR 32 Class A

**Canada:** ICES-3(A)/NMB-3(A)

**Japan:** VCCI Class A

**Korea:** KC KN32 Class A, KN35

**USA:** FCC Part 15 Subpart B Class A

### Safety

IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IEC/EN 62471 risk group 2, IS13252

### Environment

IEC/EN 62262 IK08, IEC/EN 60529 IP66, NEMA 250, Type 4X, NEMA TS 2 (2.2.7–2.2.9), IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-30, IEC 60068-2-78, ISO4892-2

### Network

NIST SP500-267

### Cybersecurity

ETSI EN 303 645, BSI IT Security Label, FIPS 140

For midspan approvals, see: [axis.com/products/axis-t8154-60-w-sfp-midspan](https://axis.com/products/axis-t8154-60-w-sfp-midspan)

## Cybersecurity

### Edge security

**Software:** Signed OS, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 Client Credential Flow/OpenID Authorization Code Flow for centralized ADFS account management, password protection, Axis Cryptographic Module (FIPS 140-2 level 1), AES-XTS-Plain64 256bit SD card encryption  
**Hardware:** Axis Edge Vault cybersecurity platform TPM 2.0 (CC EAL4+, FIPS 140-2 Level 2), secure keystore, secure boot

### Network security

IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2)<sup>2</sup>, IEEE 802.1AE (MACsec PSK/EAP-TLS), HTTPS/HSTS<sup>2</sup>, TLS v1.2/v1.3<sup>2</sup>, Network Time Security (NTS), X.509 Certificate PKI, host-based firewall

## Documentation

*Axis OS Hardening Guide*

*Axis Vulnerability Management Policy*

*Axis Security Development Model*

Axis OS Software Bill of Material (SBOM)

To download documents, go to [axis.com/support/cybersecurity/resources](https://axis.com/support/cybersecurity/resources)

To read more about Axis cybersecurity support, go to [axis.com/cybersecurity](https://axis.com/cybersecurity)

## General

### Casing

IK08, IK10 housing and mounting<sup>3</sup>, IP66- and NEMA 4X-rated

Repaintable metal casing (aluminum), hard coated Polycarbonate (PC) clear dome with Sharpdome technology

### Sustainability

PVC free

### Power

**Axis High PoE midspan 1-port:** 100–240 V AC, max 74 W

Camera consumption: typical 10.3 W (no IR), max 51 W

**Axis PoE+ midspan 1-port:** 100–240 V AC, max 37 W

IEEE 802.3at Type 2 Class 4

Camera consumption: typical 10.3 W (no IR), max 25 W

Features: power meter

### Connectors

RJ45 10BASE-T/100BASE-TX PoE

RJ45 Push-pull Connector (IP66)

Audio: Audio and I/O connectivity via portcast technology

### IR illumination

Optimized IR with power-efficient, long life 850 nm IR LEDs

**With 30 W midspan:** Range of reach 190 m (623 ft) or more depending on the scene

**With 60 W midspan:** Range of reach 250 m (820 ft) or more depending on the scene

### Storage

Support for microSD/microSDHC/microSDXC card

Support for SD card encryption

Support for recording to network-attached storage (NAS)

For SD card and NAS recommendations see [axis.com](https://axis.com)

2. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([openssl.org](https://openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).

3. Mounting not included

**Operating conditions**

With 30 W midspan: -30 °C to 50 °C (-22 °F to 122 °F)

With 60 W midspan: -50 °C to 50 °C (-58 °F to 122 °F)

Maximum temperature according to NEMA TS 2 (2.2.7):

74 °C (165 °F)

Arctic Temperature Control: Start-up as low as -40 °C  
(-40 °F)

Humidity 10–100% RH (condensing)

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**Storage conditions**

-40 °C to 70 °C (-40 °F to 158 °F)

Humidity 5–95% RH (non-condensing)

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**Dimensions**

Height: 241 mm (9.5 in)

Ø 165 mm (6.4 in)

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**Weight**

3 kg (6.6 lb)

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**Included accessories**

IP66-rated RJ45 connector kit, AXIS High PoE 60 W SFP

Midspan, installation guide, Windows decoder 1-user  
licence

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**Optional accessories**

AXIS T91/T94 Mounting Accessories, Axis High PoE  
midspans

For more accessories, see [axis.com](http://axis.com)

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**Languages**

English, German, French, Spanish, Italian, Russian,  
Simplified Chinese, Japanese, Korean, Portuguese,  
Traditional Chinese, Dutch, Czech, Swedish, Finnish,  
Turkish, Thai, Vietnamese

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**Warranty**

5-year warranty, see [axis.com/warranty](http://axis.com/warranty)