

AXIS Q8665-LE PTZ Network Camera

Look quickly through a clean window and with IR illumination

AXIS Q8665-LE offers a quick pan and tilt feature with integrated powerful IR illuminators, providing up to 150 meters/ 164 yards range in complete darkness. It tilts upwards 40° and can be mounted on top of columns, enabling 360° field of view without anything interfering the line of sight. Compliant with IP66 and NEMA 4X for protection against dust, rain and snow. Equipped with a wiper to remove excess water or rain. In places with high risk for dust, salt, sand and emission of soot from vehicles, an accessory washer can be purchased to spray cleaning fluid to secure clean windows.

- > **Infrared illumination**
- > **Continuous pan, 360° endless**
- > **18x optical zoom in HDTV 1080p**
- > **Water and dust resistant**
- > **-40 °C to 55 °C (-40 °F to 131 °F)**



AXIS Q8665-LE PTZ Network Camera

Variants

AXIS Q8665-LE 24 V AC
AXIS Q8665-LE 100 V AC
AXIS Q8665-LE 120 V AC
AXIS Q8665-LE 230 V AC

Camera

Image sensor

1/2.9" progressive scan RGB CMOS

Lens

Varifocal, 4.7–84.6 mm, F1.6 – 2.8
Horizontal field of view: 59°–4°
Vertical field of view: 35°–2°
Diagonal field of view: 68°–4°
Autofocus, automatic day/night

Day and night

Automatic switching from infrared-cut filter to infrared pass filter in night mode

Minimum illumination

Color: 0.5 lux at 30 IRE F1.6
B/W: 0 lux with built-in IR illumination

Shutter speed

1/28000 s to 2 s

Pan/Tilt/Zoom

Pan: 360° endless, 0.02°/s to 40°/s
Tilt: -90° to +40°, 0.02°/s to 30°/s
Zoom: 18x optical zoom, 12x digital zoom
Preset accuracy: 0.02°
Preset positions, guard tour, driver selection, control queue

Video

Video compression

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

Resolution

1920x1080 HDTV 1080p to 160x90

Frame rate

Up to 25/30 fps (50/60 Hz) in all resolutions

Video streaming

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

Image settings

Manual shutter time, compression, color, brightness, sharpness, white balance, exposure control, exposure zones, WDR – dynamic contrast, backlight compensation, fine tuning of behavior at low light, rotation, text and image overlay, day/night shift level

Network

Security

Password protection, IP address filtering, HTTPS¹ encryption, IEEE 802.1X¹ network access control, digest authentication, user access log, centralized certificate management

Network protocols

IPv4/v6, HTTP, HTTPS¹, SSL/TLS¹, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, 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
AXIS Video Hosting System (AVHS) with One-Click Connection
ONVIF® Profile S and ONVIF® Profile G, specification at www.onvif.org

Analytics

AXIS Video Motion Detection, active tampering alarm, gatekeeper
Support for AXIS Camera Application Platform enabling installation of third-party applications, see www.axis.com/acap

1. 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 (ey@cryptsoft.com).

Event triggers

Analytics, edge storage events

Event actions

Day/night mode, overlay text, video recording to edge storage, pre- and post-alarm video buffering
File upload via FTP, SFTP, 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- and NEMA 4X-rated aluminum casing and ABS
Color: RAL 9002
Wiper included

Memory

256 MB RAM, 128 MB Flash

Power

Input voltage to base unit: 24 V AC
Input voltage to Light Sensor Box: 100 V AC, 120 V AC, 230 V AC
Typical: 40 W (without illumination), 94 W (with illumination)
Max: 55 W (without illumination), 115 W (with illumination)

Connectors

RJ45 10BASE-T/100BASE-TX network connector
Power connector CN1
Signal connector REL1 in CN4

IR illumination

Illumination angle: 2 x 30°
Power: 60 W
Wavelength: 850 nm
Manually adjustable light intensity, adjustable light sensor threshold

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 www.axis.com

Operating conditions

-40 °C to 55 °C (-40 °F to 131 °F)
Humidity 10–100% RH (condensing)
Arctic Temperature Control enables camera start-up at temperatures as low as -40 °C/°F

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 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, VCCI Class A ITE, ICES-003 Class A, C-tick AS/NZS CISPR 22 Class A, EN 50121-4

120 V AC and 230 V AC: KCC KN22 Class A, KN24

Environment

IEC/EN 60529 IP66, NEMA 250 4x

Safety

IEC/EN 60950-1, IEC/EN 60950-22
24 V AC and 120 V AC: UL 60950-1, UL 60950-22

Dimensions

496 x 584 x 463 mm (19 1/2 x 23 x 18 1/4 in)

Weight

21.5 kg (47.4 lb)

Included accessories

Installation Guide
AXIS PT IR Illuminator Kit B
AXIS Q8665-LE Light Sensor Box (not included with AXIS Q8665-LE 24 V AC)

Required hardware

AXIS Wall Bracket K or AXIS Column Bracket K

Optional accessories

AXIS Washer Kit A
AXIS T95A64 Corner Bracket
AXIS T95A67 Pole Bracket
AXIS T98A15-VE Media Converter Cabinet A
For more accessories, see www.axis.com

Video management software

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

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