

## AXIS Q8665-E PTZ Network Camera

Look quickly through a clean window

AXIS Q8665-E offers a quick pan functionality of 100°/second as well as tilting at 40°/second. Compared to a standard PTZ dome, 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. AXIS Q8665-E is 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 window.

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



# AXIS Q8665-E PTZ Network Camera

## Variants

AXIS Q8665-E 24 V AC  
AXIS Q8665-E 120 V AC  
AXIS Q8665-E 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

Automatically removable infrared-cut filter in night mode

### Minimum illumination

Color: 0.5 lux at 30 IRE F1.6  
B/W: 0.04 lux at 30 IRE F1.6

### Shutter speed

1/28000 s to 2 s

### Pan/Tilt/Zoom

Pan: 360° endless, 0.02°/s to 100°/s  
Tilt: -90° to +40°, 0.02°/s to 40°/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, HTTPS<sup>1</sup> encryption, IEEE 802.1X<sup>1</sup> network access control, digest authentication, user access log, centralized certificate management

### Network protocols

IPv4/v6, HTTP, HTTPS<sup>1</sup>, SSL/TLS<sup>1</sup>, 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](http://www.axis.com)  
AXIS Video Hosting System (AVHS) with One-Click Connection  
ONVIF® Profile S and ONVIF® Profile G, specification at [www.onvif.org](http://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](http://www.axis.com/acap)

### Event triggers

Analytics, edge storage events

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

**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**

24 V AC  
120 V AC

230 V AC  
Typical: 40 W

Max: 55 W

**Connectors**

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

**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](http://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**

258 x 584 x 463 mm (10 3/16 x 23 x 18 1/4 in)

**Weight**

17.5 kg (38.6 lb)

**Included accessories**

Installation Guide

**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](http://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](http://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](http://www.axis.com/warranty)