



## PRODUCT INTRODUCTION - DISTRIBUTION

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# AXIS 1910/-E Thermal Network Cameras



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# 1 Product information

## 1.1 General description

AXIS Q1910 and AXIS Q1910-E are Axis' first thermal network cameras. As such, they will be very competitively priced on the market. Since they are thermal cameras, they offer low resolution and frame rates compared to conventional IP-Surveillance cameras, but all other features are the same as for Axis high-end security cameras.

The cameras will be available both as an indoor and as an outdoor-ready model and we expect a majority of the installations to be in outdoor locations. AXIS Q1910-E has an IP66-rated protection against dust and water and provides cost-efficient installation since no external housing is required.

The products offer a resolution of 160x128 which can be scaled to any VGA resolution or to resolutions 320x256, 640x512 and D1 (720x576). The cameras will be delivered with a lens of 13 mm. For larger projects it will – on request – be possible to offer lens alternatives. 9 mm and 19 mm are prime candidates, with 19 mm a more expensive alternative.

The cameras provide a NetD of less than 100 mK. (NetD is a measure of the sensitivity of a detector of thermal radiation; the lower the value, the better.)

AXIS Q1910/-E offer intelligent capabilities such as video motion detection, audio detection, and detection of camera tampering attempts. The cameras also provide capacity for 3rd party analytics modules, and they support AXIS Camera Application Platform.

Power over Ethernet (IEEE 802.3af) supplies power to the cameras via the network, eliminating the need for power cables and reducing installation costs.

AXIS Q1910/-E employ Axis' industry-standard open interface, VAPIX®. This ensures that they will instantly work with the market's broadest selection of video management systems. Furthermore, the cameras support the ONVIF specification for interoperability of network video products.

The cameras support two-way audio, and will be the first thermal cameras with this feature.

The built-in SD/SDHC memory card slot enables recordings to be stored locally.

## 1.2 Key features

- ***Thermal imaging for IP-Surveillance***

AXIS Q1910/-E are the first "true" thermal network cameras and offer – for their class – competitive thermal imaging capabilities that allow the user to detect people, objects and incidents in complete darkness and during challenging weather conditions – 24 hours a day, seven days a week.

- ***Out-of-the-box outdoor-ready***

AXIS Q1910-E is an out-of-the-box, outdoor-ready thermal network camera.

- ***Power over Ethernet***

Power over Ethernet (IEEE 802.3af) supplies power to the cameras via the network, eliminating the need for power cables and reducing installation costs.

- ***Local storage***

The cameras come with a built-in slot for an SD/SDHC card, enabling storage of more than a month of recordings, without any external equipment.

- ***Multiple H.264 streams with individual palette settings***

These are among the first thermal cameras with H.264 support, which provides up to 80% lower bandwidth and storage needs than Motion JPEG. The cameras provide multiple, individually configurable video streams in H.264 and Motion JPEG, and each stream can have its own color palette setting.

- ***Intelligent video capabilities***

AXIS Q1910/-E offer intelligent capabilities such as video motion detection, audio detection, and detection of camera tampering attempts like blocking or spray-painting. The cameras also provide capacity for 3<sup>rd</sup> party analytics modules, and they support AXIS Camera Application Platform. We expect a lot of 3<sup>rd</sup> party analytics applications to emerge for these new thermal cameras, but these will not be available at time of launch.

- ***Audio support***

The cameras support two-way audio, and will be the first thermal cameras with this feature.

- ***Built-in heater in outdoor version***

AXIS Q1910-E comes with a built-in heater for the germanium window. AXIS Q1910 provides auxiliary power for an external heater.

- ***IP version 6***

IPv6 is supported in addition to IPv4, eliminating the need for network address translation and simplifying configuration in an IPv6-enabled network.

- ***Advanced security and network management***

AXIS Q1910/-E offers the highest degree of security, including HTTPS encrypted video streams without affecting performance and IPv6 support in addition to IPv4 as insurance against the growing shortage of IP addresses.

### **1.3 Unique selling points**

- ***Cost-effective thermal network cameras***

These products are competitively priced for thermal network cameras, enabling a lot of new applications where thermal cameras have in the past been too expensive.

- ***Indoor and outdoor thermal cameras powered through Power over Ethernet***

This is the first thermal camera that in both outdoor and indoor variants takes power from the network instead of a separate power plug, saving time and money during installation and upgrades, and improving reliability if the network is connected to an UPS.

- ***Intelligent video capabilities***

AXIS Q1910/-E offer intelligent capabilities such as video motion detection, audio detection, and detection of camera tampering attempts like blocking or spray-painting. The cameras also provide capacity for 3<sup>rd</sup> party analytics modules, and they will support AXIS Camera Application Platform at launch. We expect a lot of 3<sup>rd</sup> party analytics applications to emerge for these new thermal cameras, but these will not be available at time of launch.

- ***Audio support***

The cameras support two-way audio, and will be the first thermal cameras with this feature.

- ***Advanced network security and management capabilities***

Axis has many years of experience within IP networks and we are committed to maintain our deep network knowledge as a unique selling point. Our offers include HTTPS encryption and IEEE 802.1X authentication for network security, QoS and SNMP support, as well as the freely available AXIS Camera Management tool, for easy management over the network. The high-performance AXIS Q1910/-E offers HTTPS encrypted video streams in full frame rate.

- ***Powerful Application Programming Interface (API) for software integration, including AXIS VAPIX API and AXIS Media Control SDK, publicly available at [www.axis.com](http://www.axis.com)***

Our API and ADP partner programs constitute strong success factors for us, helping developers to build applications for our products, resulting in the market's widest availability of third party video surveillance applications.

- ***ONVIF support***

The cameras support the ONVIF specification for interoperability of network video products.

## 1.4 Key applications

Axis thermal network cameras form a perfect part of video surveillance systems in a variety of segments, such as government, transportation, city surveillance and education.

Typical applications:

- Perimeter protection
- Area protection
- People detection for safety and security
- Building security & emergency management

- Expanding existing video surveillance installations and video analytic capabilities

## 2 Main messaging

For both products:

**AXIS Q1910/-E Thermal Network Cameras**  
*Reliable detection in dark and challenging conditions*

For the indoor and outdoor versions, respectively:

**AXIS Q1910 Thermal Network Camera**  
*Reliable detection in dark and challenging indoor conditions*

**AXIS Q1910-E Thermal Network Camera**  
*Reliable detection in dark and challenging outdoor conditions*

## 3 Catalog entry texts

### 3.1 25 words

#### **AXIS Q1910 Thermal Network Camera**

AXIS Q1910 Thermal Network Camera is an indoor camera with 160 x128 resolution, 8.33 fps, 17° angle of view, ONVIF, H.264, audio, PoE and VMD.

#### **AXIS Q1910-E Thermal Network Camera**

AXIS Q1910-E Thermal Network Camera is an outdoor-ready camera with 160 x128 resolution, 8.33 fps, 17° angle of view, ONVIF, H.264, audio, PoE and VMD.

### 3.2 50 words

#### **AXIS Q1910 Thermal Network Camera**

AXIS Q1910 Thermal Network Camera is an indoor thermal camera for detection in darkness and difficult conditions. It features 160 x128 resolution, 8.33 fps, and 17° angle of view. It supports ONVIF, PT heads, H.264, audio, local storage, I/O, PoE, tampering alarm, motion detection, and AXIS Camera Application Platform.

#### **AXIS Q1910-E Thermal Network Camera**

AXIS Q1910-E Thermal Network Camera is an IP66-rated, outdoor thermal camera for detection in darkness and difficult conditions. It features 160 x128 resolution, 8.33 fps, and 17° angle of view. It supports ONVIF, PT heads, H.264, audio, local storage, I/O, PoE, tampering alarm, motion detection, and AXIS Camera Application Platform.

### 3.3 75 words

**AXIS Q1910 Thermal Network Camera**

AXIS Q1910 Thermal Network Camera is a perfect complement to any IP-Surveillance system since it provides excellent detection even in complete darkness and in difficult conditions. AXIS Q1910 is an indoor thermal camera with 160 x128 resolution, 8.33 fps, and 17° angle of view. It supports ONVIF, PT heads, H.264, Motion JPEG, two-way audio, local storage, I/O and Power over Ethernet. It provides tampering alarm, video motion detection, and support for AXIS Camera Application Platform.

**AXIS Q1910-E Thermal Network Camera**

AXIS Q1910-E Thermal Network Camera is a perfect complement to any IP-Surveillance system since it provides excellent detection even in complete darkness and in difficult conditions. AXIS Q1910-E is an IP66-rated, outdoor-ready thermal camera with 160 x128 resolution, 8.33 fps, and 17° angle of view. It supports ONVIF, PT heads, H.264, Motion JPEG, two-way audio, local storage, I/O and Power over Ethernet. It provides tampering alarm, motion detection, and support for AXIS Camera Application Platform.

**3.4 100 words****AXIS Q1910 Thermal Network Camera**

AXIS Q1910 Thermal Network Camera is a perfect complement to any IP-Surveillance system that needs to secure an area 24 hours a day, seven days a week. AXIS Q1910 is an indoor thermal camera that provides excellent detection even in complete darkness and in difficult light conditions. It provides 160 x128 resolution, 8.33 fps, and 17° angle of view. AXIS Q1910 supports ONVIF, PT heads, H.264 and Motion JPEG, two-way audio, local SD/SDHC storage, I/O and Power over Ethernet. It also provides intelligent video capabilities including tampering alarm, video motion detection, and support for AXIS Camera Application Platform.

**AXIS Q1910-E Thermal Network Camera**

AXIS Q1910-E Thermal Network Camera is a perfect complement to any IP-Surveillance system that needs to secure an area 24 hours a day, seven days a week. AXIS Q1910-E is an IP66-rated, outdoor-ready thermal camera that provides excellent detection even in complete darkness and in difficult light and weather conditions. It provides 160 x128 resolution, 8.33 fps, and 17° angle of view. AXIS Q1910-E supports ONVIF, PT heads, H.264 and Motion JPEG, two-way audio, local SD/SDHC storage, I/O and Power over Ethernet. It also provides intelligent video capabilities including tampering alarm, motion detection, and support for AXIS Camera Application Platform.

## 4 Part numbers and EAN codes

Part No	Product Name	Country	EAN
0334-001	AXIS Q1910	ALL	7331021031067
0335-001	AXIS Q1910-E	ALL	7331021031074

## 5 Dimensions and weight

### 5.1 Unit weight

Product	gram	lb.
AXIS Q1910	990	2.18
AXIS Q1910-E	3520	7.76

### 5.2 Unit dimensions

Product	mm	inches
AXIS Q1910	186 x 58 x 78 mm	7.3 x 2.3 x 3.1
AXIS Q1910-E	404 x 120 x 161	15.9 x 4.7 x 6.4

### 5.3 Shipping weight single pack

Part No	Product	kg	lb.
0334-001	AXIS Q1910	1.47	3.24
0335-001	AXIS Q1910-E	4.86	10.71

### 5.4 Shipping dimension single pack (H x W x D)

Part No	Product	mm	inches
0334-001	AXIS Q1910	250 x 190 x 110	9.8 x 7.5 x 4.3
0335-001	AXIS Q1910-E	240 x 550 x 210	9.5 x 21.7 x 8.3

## 6 Packaging

### 6.1 **AXIS Q1910 and AXIS Q1910-E**

Both AXIS Q1910 and AXIS Q1910-E are shipped in an Axis standard, brown cardboard box with the product name printed on labels on the sides. The single-pack shipment contains the following:

- 1 AXIS Q1910 unit
- IP66-rated RJ-45 connector kit
- Sunshield
- 1 Multilingual Installation Guide
- 1 Warranty card
- 1 Plastic bag
- 1 Mounting bracket