

## AXIS Q1921/-E Thermal Network Cameras

High quality detection and wide range coverage.



- > Thermal imaging for IP-Surveillance
- > Lens alternatives for different applications
- > High-quality detection
- > Intelligent video capabilities
- > Power over Ethernet

AXIS Q1921/-E Thermal Network Cameras are a perfect complement to any network video system that needs to secure an area 24 hours a day, seven days a week. The cameras use thermal imaging, which allows users to detect people, objects and incidents in complete darkness and difficult conditions such as smoke, haze, dust and light fog.

AXIS Q1921 is intended for indoor environments, while AXIS Q1921-E is an out-of-the-box, outdoor-ready model with a built-in window heater that is designed to withstand harsh weather conditions.

A resolution of 384x288 and a range of lenses make it possible to optimize detection performance to meet most application requirements. Advanced software processing and a frame rate of up to 30 fps will further improve the thermal image quality.

Since thermal cameras are immune to problems with light conditions and normal shadows, they can achieve higher accuracy than conventional cameras in most intelligent video applications.

AXIS Q1921/-E cameras offer motion detection, audio detection, and detection of tampering attempts. The cameras also provide capacity for third-party analytics modules, including support for AXIS Camera Application Platform. AXIS Q1921/-E cameras support ONVIF for interoperability between network video products.

Installation is made easy and cost effective with Power over Ethernet (IEEE 802.3af). AXIS Q1921/-E cameras support H.264 video compression, which reduces bandwidth usage and storage needs. The cameras provide multiple, individually configurable video streams in H.264 and Motion JPEG.



## Technical specifications – AXIS Q1921/-E Thermal Network Cameras

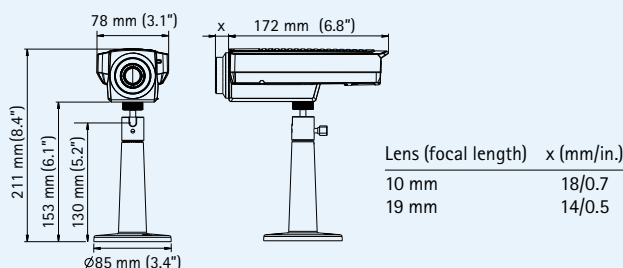
Camera																										
<b>Models</b>	Indoor: Q1921, 10 mm and 19 mm Outdoor: Q1921-E, 10 mm, 19 mm, 35 mm and 60 mm																									
<b>Image sensor</b>	Uncooled Micro bolometer 384x288 pixels																									
<b>Detection range</b>	<table border="1"> <thead> <tr> <th>Lens (TA mount)</th> <th>F</th> <th>Viewing angle*</th> <th>Human (1.8x0.5 m)</th> <th>Vehicle (2.3x2.3 m)</th> </tr> </thead> <tbody> <tr> <td>10 mm</td> <td>1.2</td> <td>55°</td> <td>200 m/220 yd.</td> <td>460 m/505 yd.</td> </tr> <tr> <td>19 mm</td> <td>1.0</td> <td>29°</td> <td>380 m/415 yd.</td> <td>870 m/950 yd.</td> </tr> <tr> <td>35 mm</td> <td>1.2</td> <td>15°</td> <td>700 m/765 yd.</td> <td>1610 m/1760 yd.</td> </tr> <tr> <td>60 mm</td> <td>1.2</td> <td>9°</td> <td>1200 m/1312 yd.</td> <td>2760 m/3020 yd.</td> </tr> </tbody> </table> <p>*Horizontal angle of view</p>	Lens (TA mount)	F	Viewing angle*	Human (1.8x0.5 m)	Vehicle (2.3x2.3 m)	10 mm	1.2	55°	200 m/220 yd.	460 m/505 yd.	19 mm	1.0	29°	380 m/415 yd.	870 m/950 yd.	35 mm	1.2	15°	700 m/765 yd.	1610 m/1760 yd.	60 mm	1.2	9°	1200 m/1312 yd.	2760 m/3020 yd.
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<b>Sensitivity</b>	NetD < 100 mK																									
Video																										
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Motion JPEG																									
<b>Resolutions</b>	Sensor is 384x288. Image can be scaled up to 768x576 and to standard VGA resolutions																									
<b>Standard frame rate</b>	Up to 30 fps within EU, Norway, Switzerland, Canada, USA, Japan, Australia, New Zealand Up to 8.3 fps in other countries* *Frame rate above 9 fps may be subject to export control regulations																									
<b>Video streaming</b>	At least 1 stream in H.264 and Motion JPEG: simultaneous, individually configured streams in max. resolution at 30 fps Controllable frame rate and bandwidth. VBR/CBR H.264																									
<b>Image settings</b>	Compression, brightness, exposure control, rotation, mirroring of images, text and image overlay, privacy mask, palette																									
Audio																										
<b>Audio streaming</b>	Two-way, half duplex																									
<b>Audio compression</b>	AAC LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate																									
<b>Audio input/output</b>	AXIS Q1921: Built-in microphone, external microphone or line input, line output AXIS Q1921-E: External microphone or line input, line output																									
Network																										
<b>Security</b>	Password protection, IP address filtering, HTTPS* encryption, IEEE 802.1X* network access control, digest authentication, user access log																									
<b>Supported protocols</b>	IPv4/v6, HTTP, HTTPS*, QoS Layer 3 DiffServ, FTP, SMTP, Bonjour, UPnP, SNMPv1/v2c/v3(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTP, ICMP, DHCP, ARP, SOCKS. Wide range of PT heads supported (drivers available for download at www.axis.com).																									

\* This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (www.openssl.org)

More information is available at [www.axis.com](http://www.axis.com)

System integration	
<b>Application Programming Interface</b>	Open API for software integration, including the ONVIF specification available at <a href="http://www.onvif.org">www.onvif.org</a> , as well as VAPIX® and AXIS Camera Application Platform from Axis Communications, specifications available at <a href="http://www.axis.com">www.axis.com</a>
<b>Intelligent video</b>	Video motion detection, active tampering alarm, audio detection. Support for AXIS Camera Application Platform enables installation of additional applications
<b>Alarm triggers</b>	Intelligent video, temperature and external input
<b>Alarm events</b>	File upload via FTP, HTTP and email; notification via email, HTTP and TCP; external output activation
<b>Video buffer</b>	32 MB pre- and post alarm
General	
<b>Casing</b>	AXIS Q1921: Zinc chassis AXIS Q1921-E: IP66-rated aluminum casing and a germanium window
<b>Processor and memory</b>	ARTPEC-3, 128 MB RAM, 128 MB Flash
<b>Power</b>	Power over Ethernet IEEE 802.3af Class 3 8-20 V DC/20-24 V AC AXIS Q1921: max 6 W, max 10 VA AXIS Q1921-E: max 10 W, max 16 VA Power supply not included
<b>Connectors</b>	RJ-45 10BASE-T/100BASE-TX PoE, terminal block for power, terminal block for two configurable inputs/outputs 3.5 mm mic/line in, 3.5 mm line out RS-422/RS-485 Terminal block for AXIS Q1921/-E heater
<b>Local storage</b>	SD/SDHC memory card slot (card is not included)
<b>Operating conditions</b>	AXIS Q1921/-E: -40 °C to 60 °C (-40 °F to 140 °F) Humidity 20-80% RH (non-condensing)
<b>Approvals</b>	EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, EN 60950-1, FCC Part 15 Subpart B Class B, VCCI Class B ITE IEC TR 60721-4-3 3M4/-4-4 4M4 (shock/vibration) IEC 60529 IP66
<b>Weight</b>	AXIS Q1921: 950 g (2.10 lb.) - 970 g (2.14 lb.) AXIS Q1921-E: 3475 g (7.66 lb.) - 3650 g (8.05 lb.)
<b>Included accessories</b>	Connector kit, Installation Guide, CD with User's Manual, recording software, installation and management tools, Windows decoder 1-user license AXIS Q1921-E: wall mount bracket, 5 m (16 ft.) Ethernet cable
<b>Optional accessories</b>	Wall bracket accessories Pan/tilt motor Lenses: 10 mm, 19 mm, 35 mm and 60 mm AXIS Camera Station and video management software from Axis' Application Development Partners. For more information, see <a href="http://www.axis.com/products/video/software/">www.axis.com/products/video/software/</a>

### Dimensions: AXIS Q1921 Network Camera



### Dimensions: AXIS Q1921-E Network Camera including wall mount bracket with internal cable channel

