

## AXIS Q61 PTZ Dome Network Camera Series

### High-end PTZ camera with Sharpdome technology and Lightfinder



- > Sharpdome technology
- > Speed Dry function
- > Lightfinder technology
- > HDTV 1080p at 50/60 fps
- > Pan performance 700° per second

The new Sharpdome technology included in AXIS Q61 Series provides full scene fidelity and sharp images in all directions- above as well as below the horizon. These compact PTZ cameras are suitable for indoor and outdoor installations, in low light and challenging conditions, making them ideal for a range of applications such as shopping malls, open parking areas and stadiums as well as city and perimeter surveillance.

Axis' Sharpdome technology with its innovative mechanics and unique dome design provides sharp images in all directions. It offers the unique possibility to identify objects as much as 20° above the camera horizon making these cameras suitable for uneven terrain. The Sharpdome technology includes Axis' unique Speed Dry function that will easily remove water drips from the dome glass and provide sharp images in rainy weather.

AXIS Q61 Series includes AXIS Q6115-E that provides resolution up to HDTV 1080p and AXIS Q6114-E with HDTV 720p. Both models feature 30x optical zoom with autofocus. The HDTV resolution provides wide area coverage as well as detailed zoomed-in views.

The cameras deliver smooth video with great detail at 50/60 frames per second that helps to identify incidents in scenes with fast moving objects.

AXIS Q6114-E incorporates Lightfinder technology, allowing for extreme light sensitivity in low light conditions. The cameras offer Wide Dynamic Range - dynamic capture (130 dB) for challenging conditions where backlight or intense contrasts are an issue.

AXIS Q61 cameras are among the market's fastest PTZ dome cameras. The quick and precise pan performance of over 700° per second makes it easy to quickly change viewing position and follow fast moving objects.



## Highly innovative design



AXIS Q61 cameras offer an innovative design that blends into any indoor or outdoor environment and can easily be repainted to match the buildings facade.

## Axis' Sharpdome Technology

Axis' Sharpdome offers innovative mechanics that make the entire dome rotate, in contrast to a conventional dome where the camera rotates inside the dome. The mechanics together with the unique design of the outdoor dome enable the same optimal image sharpness and full scene fidelity in all pan and tilt positions. This enables clear identification of objects as much as 20° above the camera horizon making these cameras suitable for uneven terrain.



## Axis' Speed Dry function



The Sharpdome technology includes Axis' unique Speed Dry function that helps to provide sharp images in rainy weather. It also simplifies dome cleaning, allowing for more efficient methods such as high pressure cleaning. With the Speed Dry function activated, the dome vibrates at high speed. It breaks the surface tension of the water and removes the drips.

## Dynamic Capture Capabilities

AXIS Q61 cameras support WDR (up to 130 dB) with 'dynamic capture' which is ideal for surveillance in areas with strong variations in light. It enables easy and clear identification of people and objects in both bright and dark areas, for instance, in scenes such as large windows and entrances with strong backlight.

## Lightfinder technology

AXIS Q6114-E also incorporates Axis' unique Lightfinder technology which provides exceptional performance, excellent image quality and amazing details in low light scenes. Lightfinder technology is a combination of Axis' expertise in image processing, in-house system-on-chip development and a selection of the best optical components.

## Designed for reliable operation



The innovative camera design includes a set of smart features that allows the camera to operate reliably.

1. Slanting camera design that deflects water drops.
2. Non-stick heated silicon ring prevents ice formation to ensure reliable operation in extreme conditions.

## Electronic Image Stabilization

AXIS Q61 cameras support Electronic Image Stabilization (EIS), which reduces the effects of camera vibration. In windy conditions, EIS provides clearer, more useful video and helps reduce the size of video files, which leads to lower bandwidth and storage use.

## Weather and impact protection

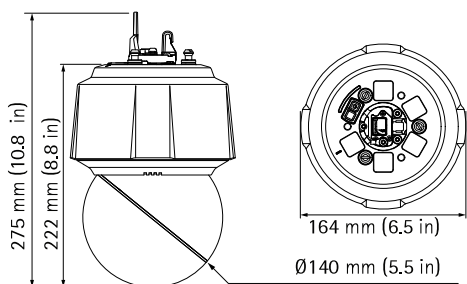
The outdoor-ready AXIS Q61 cameras are designed for reliable, weatherproof installation. The cameras are impact-resistant (IK08) and have protection against dust, rain, snow and sunlight (IP66- and NEMA 4X). In addition they offer shock detection that makes the camera send an alarm in case of attempted vandalism.

## Quick and reliable installation

To save cost and installation time, AXIS Q61 cameras are out-of-the-box-ready for mounting outdoors. However, a wide range of indoor and outdoor mounting options, such as wall, pole or corner mounts are also available.



### Dimensions



### Included accessories

1. Axis High PoE  
minspan 1-port

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### Optional accessories

1. AXIS T91A Mounting Accessories

2. Axis High PoE minspans  
RJ45 IP66-rated cables with premounted  
connector (CAT6)

3. AXIS T8310 Video Surveillance Control  
Board

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# Technical Specifications - AXIS Q61 PTZ Dome Network Camera Series

<b>Models</b>	AXIS Q6114-E: HDTV 720p, Indoor/Outdoor, 50/60 Hz AXIS Q6115-E: HDTV 1080p, Indoor/Outdoor, 50/60 Hz	<b>Hardware:</b> Fan, Network, Temperature <b>Input Signal:</b> Manual Trigger, Virtual Inputs <b>PTZ:</b> Autotracking, Error, Moving, Preset Reached, Ready <b>Storage:</b> Disruption, Recording <b>System:</b> System Ready <b>Time:</b> Recurrence, Use Schedule
<b>Camera</b>		
<b>Image sensor</b>	1/3" Progressive Scan CMOS	
<b>Lens</b>	AXIS Q6114-E: f=4.3-129 mm, F1.6-4.7, Autofocus, Autoliris, 58.3° - 2.1° view <sup>a</sup> AXIS Q6115-E: f = 4.4-132 mm, F1.4-4.6, Autofocus, Autoliris, 63.4° - 2.3° view <sup>a</sup>	
<b>Day and night</b>	Automatically removable infrared-cut filter	
<b>Minimum illumination</b>	AXIS Q6114-E: Color: 0.15 lux at 30 IRE F1.6 B/W: 0.008 lux at 30 IRE F1.6 AXIS Q6115-E: Color: 0.2 lux at 30 IRE F1.4 B/W: 0.02 lux at 30 IRE F1.4	
<b>Shutter time</b>	AXIS Q6114-E: 1/10000 s to 1 s AXIS Q6115-E: 1/30000 s to 1 s	
<b>Pan/Tilt/Zoom</b>	Pan: 360° endless, 0.05-700°/s Tilt: +20 to -90° with nadir flip, 0.05-500°/s Zoom: 30x Optical, 12x Digital, Total 360x zoom Speed Dry, Nadir flip, 256 preset positions, Tour recording, Guard tour, Control queue, On-screen directional indicator, Set new pan 0°, Adjustable zoom speed	
<b>Video</b>		
<b>Video compression</b>	H.264 Baseline, Main and High Profiles (MPEG-4 Part 10/AVC) Motion JPEG	
<b>Resolutions</b>	AXIS Q6114-E: 1280x720 (HDTV 720p) to 240x135 AXIS Q6115-E: 1920x1080p (HDTV 1080p) to 240x135	
<b>Frame rate</b>	Up to 25/30 or 50/60 fps (50/60 Hz) in all resolutions and H.264	
<b>Video streaming</b>	Multiple, individually configurable streams in H.264 and Motion JPEG, Controllable frame rate and bandwidth, VBR/MBR H.264	
<b>Image settings</b>	Compression, Color, Brightness, Sharpness, White balance, Exposure control, Exposure zones, Rotation, Backlight compensation, Fine tuning of behavior at low light, Electronic Image Stabilization, Defogging, Manual shutter time, Text and image overlay, 32 individual 3D privacy masks, Image freeze on PTZ AXIS Q6114-E: Highlight compensation Wide Dynamic Range (WDR) - Dynamic Capture: AXIS Q6114-E: 130 dB, AXIS Q6115-E: 115 dB	
<b>Network</b>		
<b>Security</b>	Password protection, IP address filtering, IEEE 802.1X <sup>b</sup> network access control, HTTPS <sup>b</sup> encryption, Digest authentication, User access log, Centralized certificate management	
<b>Supported protocols</b>	IPv4/IPv6, HTTP, HTTPS <sup>b</sup> , SSL/TLS <sup>b</sup> , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>TM</sup> , SNMP v1/v2c/v3(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, NTPICP	
<b>System integration</b>		
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform, specifications at <a href="http://www.axis.com">www.axis.com</a> AXIS Video Hosting System (AVHS) with One-click Connection. ONVIF Profile S, specification at <a href="http://www.onvif.org">www.onvif.org</a>	
<b>Analytics</b>	Video motion detection, Active tampering alarm, Autotracking, Active Gatekeeper, AXIS Camera Application Platform enabling installation of additional applications	
<b>Event triggers</b>	Detectors: Live Stream Accessed, Motion Detection, Shock Detection	
<b>Event actions</b>	Day/Night vision mode, Overlay text, Record video File upload: FTP, HTTP and email Notification: email, HTTP and TCP Pre- and post-alarm video buffering PTZ preset, Guard tour, Video recording to edge storage, Autotracking	
<b>Data streaming</b>	Event data	
<b>Built-in installation aids</b>	Pixel counter	
<b>General</b>		
<b>Casing</b>	IK08, IP66- and NEMA 4X-rated metal casing (aluminum), Polycarbonate (PC) clear dome with Sharpdome technology	
<b>Memory</b>	1 GB RAM, 512 MB Flash	
<b>Power</b>	High PoE midspan 1-port: 100-240 V AC, max. 74 W 60 W midspan: Camera max consumption 51 W 60 W midspan: Camera typical consumption 10 W 30 W midspan: Camera max consumption 25.5 W 30 W midspan: Camera typical consumption: 10 W	
<b>Connectors</b>	RJ45 for 10BASE-T/100BASE-TX PoE RJ45 Push-pull Connector (IP66) included	
<b>Edge storage</b>	SDHC UHS-I/SDXC UHS-I slot supporting memory card up to 64 GB (card not included)	
<b>Operating conditions</b>	With 30 W: -20°C to +50° With 60 W: Operating: -50°C to +50°C, Startup: -40°C to +50° Humidity 10 - 100% RH (condensing)	
<b>Storage conditions</b>	-40°C to +70°C (-40 °F to 158 °F)	
<b>Approvals</b>	EN 55022 Class A, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, EN 55024, EN 50121-4, IEC 62236-4, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, C-tick AS/NZS CISPR22 Class A, KCC KN22 Class A, KN24, IEC/EN/UL 60950-1, IEC/EN/UL 60950-22, IEC/EN 62262 IK08, IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC60068-2-1, IEC60068-2-2, IEC 60068-2-78, IEC60068-2-14, IEC 60068-2-6, IEC 60068-2-27, ISO4892-2 Midspan: EN 60950-1, GS, UL, cUL, CE, FCC, VCCI, CB, KCC, UL-AR	
<b>Weight</b>	2.7 kg (5.9 lb)	
<b>Included accessories</b>	High PoE Midspan 1-port, IP66-rated RJ45 connector kit, Installation Guide, Installation and Management Software CD, Windows decoder 1-user license	
<b>Video management software</b>	AXIS Camera Companion (included), AXIS Camera Station and video management software from Axis' Application Development Partners (not included). For more information, see <a href="http://www.axis.com/products/video/software">www.axis.com/products/video/software</a>	
<b>Warranty</b>	Axis 3-year warranty and AXIS Extended Warranty option, see <a href="http://www.axis.com/warranty">www.axis.com/warranty</a>	

- a. *Horizontal angle of view*  
b. *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)).*

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