

## AXIS Q3504-V Network Camera

Exceptional HDTV 720p video quality

AXIS Q3504-V is a vandal-resistant fixed dome for demanding installations. Its top-quality image sensor and enhanced processing with Lightfinder technology provide exceptional light sensitivity and Wide Dynamic Range – Forensic Capture. Electronic image stabilization is instrumental when the camera is subject to vibration, resulting in smoother and steadier video. The camera is easy to install with smart conduit connection and cable management, as well as remote zoom and focus that eliminates the need for hands-on fine tuning. It is ideal for identification of people, objects and vehicles in harsh environments and difficult light conditions.

- > [Lightfinder and WDR – Forensic Capture](#)
- > [HDTV 720p at up to 120 fps](#)
- > [Axis Zipstream technology](#)
- > [Electronic Image Stabilization](#)
- > [IK10 impact resistance and IP52 dust and water protection](#)



# AXIS Q3504-V Network Camera

Camera	
<b>Image sensor</b>	Progressive scan RGB CMOS 1/2.8"
<b>Lens</b>	Varifocal, Remote focus and zoom, P-Iris control, IR corrected 3–9 mm, F1.3 Horizontal field of view: 105°–36° Vertical field of view: 57°–21°
<b>Day and night</b>	Automatically removable infrared-cut filter
<b>Minimum illumination</b>	HDTV 720p 25/30 fps with WDR – forensic capture and Lightfinder: Color: 0.11 lux at 50 IRE, F1.3; B/W: 0.02 lux at 50 IRE, F1.3 HDTV 720p 100/120 fps: Color: 0.44 lux at 50 IRE, F1.3; B/W: 0.08 lux at 50 IRE, F1.3
<b>Shutter time</b>	1/143000 to 2 s
<b>Camera angle adjustment</b>	Pan: 360° Tilt: -5° to 90° (0° = lens directed at a right angle to camera base) Rotation: ±95°

Video	
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
<b>Resolution</b>	1280x720 to 160x90
<b>Frame rate</b>	HDTV 720p (1280x720) with WDR: 25/30 fps with power line frequency 50/60 Hz
<b>Video streaming</b>	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264
<b>Multi-view streaming</b>	8 individually cropped-out view areas
<b>Pan/Tilt/Zoom</b>	Digital PTZ, Optical zoom, Preset positions 3x Optical zoom, 2x Digital zoom
<b>Image settings</b>	Scene profiles, compression, color, brightness, sharpness, contrast, local contrast, white balance, exposure control, defogging, exposure zones, fine tuning of behavior at different light levels, WDR – forensic capture: up to 120 dB depending on scene, electronic image stabilization, barrel distortion correction, text and image overlay, privacy masks, mirroring of images, rotation: 0°, 90°, 180°, 270°, auto, including corridor format

Audio	
<b>Audio streaming</b>	Full-duplex
<b>Audio compression</b>	24-bit LPCM 48 kHz, AAC LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8kHz, Opus 8/16/48 kHz Configurable bitrate
<b>Audio input/output</b>	Input for external microphone or line-level device Line output

Network	
<b>Security</b>	Password protection, IP address filtering, IEEE 802.1X network access control <sup>a</sup> , HTTPS <sup>a</sup> encryption, digest authentication, user access log, centralized certificate management, brute force delay protection
<b>Supported protocols</b>	IPv4, IPv6 USGv6, HTTP, HTTPS, SSL/TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP

System integration	
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> AXIS Guardian with One-Click Connection ONVIF Profile G, ONVIF Profile S and ONVIF Profile T, specification at <a href="http://onvif.org">onvif.org</a>
<b>Analytics</b>	<b>Included</b> AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, active tampering alarm, audio detection, gatekeeper <b>Supported</b> AXIS Perimeter Defender, AXIS Digital Autotracking

	Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>
<b>Event triggers</b>	Analytics, external input, edge storage events, shock detection
<b>Event actions</b>	Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, TCP and SNMP trap Overlay text, external output activation, play audio clip, zoom preset
<b>Data streaming</b>	Event data
<b>Built-in installation aids</b>	Remote zoom, remote focus, pixel counter, leveling assistant, autorotation, straighten image

General	
<b>Casing</b>	IP52-rated, IK10 impact-resistant casing with polycarbonate dome, aluminum base and dehumidifying membrane Encapsulated electronics, captive screws Color: White NCS S 1002-B For repainting instructions of casing or skin cover and impact on warranty, contact your Axis partner.
<b>Mounting</b>	Mounting bracket with holes for junction boxes (double-gang, single-gang, 4" square, and 4" octagon) and for ceiling and wall mounting ½" (M20) conduit side entry
<b>Sustainability</b>	PVC-free
<b>Memory</b>	512 MB RAM, 256 MB Flash
<b>Power</b>	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2, typical 4.8 W, max 6.0 W
<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX PoE, terminal block for two configurable inputs/outputs (12 V DC output, max load 50 mA), 3.5 mm mic/line in, 3.5 mm line out
<b>Storage</b>	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 <a href="http://axis.com">axis.com</a>
<b>Operating conditions</b>	-10 °C to 50 °C (14 °F to 122 °F) Humidity 10–85% RH (non-condensing)
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F)
<b>Approvals</b>	EMC EN 55032 Class A, EN 50121-4, IEC 62236-4, EN 55024, IEC/EN 61000-6-1, IEC/EN 61000-6-2, FCC Part 15, Subpart B, Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 22 Class A, KCC KN32 Class B, KN35 <b>Safety</b> IEC/EN/UL 60950-1 <b>Environment</b> IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-60, IEC 60068-2-78, IEC 60068-2-52 IEC/EN 60529 IP52, IEC/EN 62262 IK10 <b>Network</b> NIST SP500-267
<b>Weight</b>	1.2 kg (2.6 lb)
<b>Included accessories</b>	Installation Guide, Windows decoder 1-user license, drill hole template, cable gaskets, I/O and DC connectors, connector guard, Resistor <sup>®</sup> T20 L-key, mounting bracket
<b>Optional accessories</b>	AXIS Q35-V Smoked Dome, AXIS T94K01D Pendant Kit, AXIS T94K01L Recessed Mount, AXIS Skin Cover A Black, Axis ACI Conduit Adapters, AXIS Dome Microphone A, AXIS Dome Intrusion Switch B, AXIS Multicable B I/O Audio Power, Axis Mounts For more accessories, see <a href="http://axis.com">axis.com</a>
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at <a href="http://axis.com/vms">axis.com/vms</a>
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese

**Warranty** Axis 3-year warranty and AXIS Extended Warranty option, see [axis.com/warranty](http://axis.com/warranty)

Environmental responsibility:  
[axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)

- a. *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 (eay@cryptsoft.com).*