AXIS Q6154-E

High-speed PTZ with instant laser focus

The compact, outdoor-ready AXIS Q6154-E features a built-in laser that provides instant focus in challenging lighting conditions. It also delivers top performance HDTV 720p video, with 30x optical zoom. Axis Sharpdome and Lightfinder technologies provide full scene fidelity and perfect image quality in all directions, even in low-light conditions, while Axis Zipstream technology significantly reduces bandwidth and storage requirements. The quick and precise pan makes it easy to change viewing position and follow fast moving objects. The speed dry function easily removes water drips from the dome glass, providing clear images in rainy weather.

> **Laser focus**

> **Sharpdome technology with speed dry**

> **Lightfinder and WDR – Forensic Capture**

> **Zipstream**

> **HDTV 720p and 30x optical zoom**

AXIS Q6154-E

Models	AXIS Q6154-E 50 Hz AXIS Q6154-E 60 Hz

Camera

Image sensor	1/2.8" Progressive scan CMOS
Lens	4.3-129 mm, F1.6-4.7 Horizontal field of view: 66.7°–2.36° Vertical field of view: 39.5°–1.37° Laser focus, auto-iris
Day and night	Automatically removable infrared-cut filter
Minimum illumination	**Color:** 0.15 lux at 30 IRE, F1.6 **B/W:** 0.01 lux at 30 IRE, F1.6 **Color:** 0.2 lux at 50 IRE, F1.6 **B/W:** 0.02 lux at 50 IRE, F1.6
Shutter time	1/60000 s to 2 s
Pan/Tilt/Zoom	Pan: 360° endless, 0.05°–700°/s Tilt: +20 to -90°, 0.05°–500°/s Zoom: 30x optical, 12x digital, total 360x zoom Nadir flip, 256 preset positions, tour recording, guard tour, control queue, on-screen directional indicator, set new pan 0°, adjustable zoom speed, speed dry

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolution	1280x720 (HDTV 720p) to 320x180
Frame rate	Up to 50/60 fps (50/60 Hz) in 720p
Video streaming	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
Image settings	Compression, color, brightness, sharpness, white balance, exposure control, exposure zones, rotation, fine tuning of behavior at low light, electronic image stabilization (EIS), manual shutter time, text and image overlay, image freeze on PTZ, scene profiles Contrast, local contrast, automatic backlight compensation, autofocus, WDR - forensic capture: 120 dB 32 individual 3D privacy masks

Network

Security	Password protection, IP address filtering, HTTPS[a] encryption, IEEE 802.1x (EAP-TLS)[a] network access control, Digest authentication, User access log, Centralized Certificate Management, Brute force delay protection, signed firmware
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS[a], SSL/TLS[a], QoS Layer 3 DiffServ, FTP, 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, NTCIP

System integration

Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at *axis.com* AXIS Guardian with One-Click Connection ONVIF® Profile G and ONVIF® Profile S, specifications at *onvif.org*
Analytics	**Included** AXIS Video Motion Detection, AXIS Fence Guard, AXIS Motion Guard **Supported** Support for AXIS Camera Application Platform enabling installation of third-party applications, see *axis.com/acap*
Event triggers	Detectors: live stream accessed, motion detection, shock detection, day/night mode Hardware: network, temperature, fan Input Signal: manual trigger, virtual inputs PTZ: autotracking, error, moving, preset reached, ready Storage: disruption, recording System: system ready Time: recurrence, use schedule
Event conditions	Analytics, external input, virtual inputs through API Audio: audio detection Device status: above operating temperature, above or below operating temperature, below operating temperature, fan failure,

IP address removed, network lost, new IP address, shock detected, storage failure, system ready, within operating temperature
Edge storage: recording ongoing, storage disruption
I/O: digital input, manual trigger, virtual input
PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready
Scheduled and recurring: scheduled event
Video: live stream open

Event actions	Record video: SD card and network share Pre- and post-alarm video or image buffering for recording or upload Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share, and email Notification: email, HTTP, HTTPS, TCP, and SNMP trap PTZ: PTZ preset, guard tour Overlay text, day/night mode WDR mode
Data streaming	Event data
Built-in installation aids	Focus assistant, pixel counter, remote back focus

General

Casing	IK08, IK10 housing and mounting[b], IP66- and NEMA 4X-rated Repaintable metal casing (aluminum), hard coated Polycarbonate (PC) clear dome with Sharpdome technology
Sustainability	PVC free
Memory	512 MB RAM, 256 MB Flash
Power	**Axis High PoE midspan 1-port:** 100–240 V AC, max 74 W Camera consumption: typical 11 W, max 51 W **Axis PoE+ midspan 1-port:** 100–240 V AC, max 37 W IEEE 802.3at Type 2 Class 4 Camera consumption: typical 11 W, max 25 W
Connectors	RJ45 10BASE-T/100BASE-TX PoE RJ45 Push-pull Connector (IP66)
Storage	Support for SD/SDHC/SDXC card Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see *axis.com*
Operating conditions	**With 30 W midspan:** -20 °C to 50 °C (-4 °F to 122 °F) **With 60 W midspan:** -55 °C to 50 °C (-67 °F to 122 °F) **Absolute maximum temperature:** 74 °C (165 °F) according to NEMA TS2 2016, 2.2.7 **Arctic Temperature Control:** Start-up as low as -40 °C (-40 °F) Humidity 10–100% RH (condensing)
Storage conditions	-40 °C to 70 °C (-40 °F to 158 °F) Humidity 5-95% RH (non-condensing)
Approvals	**EMC** EN 55032 Class A, EN 55024, EN 50121-4, IEC 62236-4, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR32 Class A KCC KN32 Class A, KN35 **Safety** IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, Laser Safety Regulations IEC/EN 60825-1 Class I Ed. 3 (2014) **Environment** IEC/EN 62262 IK08, IEC/EN 60529 IP66, NEMA 250, Type 4X, NEMA TS2 2016 (Subsection 2.2.7–2.2.9), IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-30, IEC 60068-2-78, ISO4892-2 Midspan: EN 60950-1, GS, UL, cUL, CE, FCC, VCCI, CB, KCC, UL-AR **Network** NIST SP500-267
Dimensions	With mounting hook: 274 x 165 x 165 mm (10 13/16 x 6 1/2 x 6 1/2 in) Without mounting hook: 256 x 165 x 165 mm (10 1/16 x 6 1/2 x 6 1/2 in)
Weight	2.9 kg (6.4 lb)
Included accessories	IP66-rated RJ45 connector kit, Axis High PoE SFP Midspan, Installation guide, Windows decoder 1-user license

Optional accessories	AXIS T91/T94 Mounting Accessories, Axis High PoE midspans For more accessories, see *axis.com*
Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on *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 *axis.com/warranty*

a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*
b. *Mounting not included*

Environmental responsibility:

axis.com/environmental-responsibility

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