

## 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

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| <b>Models</b>                            | AXIS Q6154-E 50 Hz<br>AXIS Q6154-E 60 Hz   | IP address removed, network lost, new IP address, shock detected, storage failure, system ready, within operating temperature<br>Edge storage: recording ongoing, storage disruption<br>I/O: digital input, manual trigger, virtual input<br>PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready<br>Scheduled and recurring: scheduled event<br>Video: live stream open |
| <b>Camera</b>                            |  |   |
| <b>Image sensor</b>                      | 1/2.8" Progressive scan CMOS   |   |
| <b>Lens</b>                              | 4.3–129 mm, F1.6–4.7<br>Horizontal field of view: 66.7°–2.36°<br>Vertical field of view: 39.5°–1.37°<br>Laser focus, auto-iris   |   |
| <b>Day and night</b>                     | Automatically removable infrared-cut filter  |   |
| <b>Minimum illumination</b>              | Color: 0.15 lux at 30 IRE, F1.6<br>B/W: 0.01 lux at 30 IRE, F1.6<br>Color: 0.2 lux at 50 IRE, F1.6<br>B/W: 0.02 lux at 50 IRE, F1.6  |   |
| <b>Shutter time</b>                      | 1/60000 s to 2 s   |   |
| <b>Pan/Tilt/Zoom</b>                     | Pan: 360° endless, 0.05°–700°/s<br>Tilt: +20 to -90°, 0.05°–500°/s<br>Zoom: 30x optical, 12x digital, total 360x zoom<br>Nadir flip, 256 preset positions, tour recording, guard tour, control queue, on-screen directional indicator, set new pan 0°, adjustable zoom speed, speed dry  |   |
| <b>Video</b>                             |  |   |
| <b>Video compression</b>                 | H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles<br>Motion JPEG   |   |
| <b>Resolution</b>                        | 1280x720 (HDTV 720p) to 320x180  |   |
| <b>Frame rate</b>                        | Up to 50/60 fps (50/60 Hz) in 720p   |   |
| <b>Video streaming</b>                   | Multiple, individually configurable streams in H.264 and Motion JPEG<br>Axis Zipstream technology in H.264<br>Controllable frame rate and bandwidth<br>VBR/MBR H.264   |   |
| <b>Image settings</b>                    | 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<br>Contrast, local contrast, automatic backlight compensation, autofocus, WDR - forensic capture: 120 dB<br>32 individual 3D privacy masks  |   |
| <b>Network</b>                           |  |   |
| <b>Security</b>                          | Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>a</sup> network access control, Digest authentication, User access log, Centralized Certificate Management, Brute force delay protection, signed firmware   |   |
| <b>Supported protocols</b>               | IPv4, IPv6 USGv6, HTTP, HTTPS <sup>a</sup> , SSL/TLS <sup>a</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, SRTP, SFTP, TCP, UDP, IGMP, RTPC, ICMP, DHCP, ARP, SOCKS, SSH, NTCIP  |   |
| <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://axis.com">axis.com</a><br>AXIS Guardian with One-Click Connection<br>ONVIF <sup>®</sup> Profile G and ONVIF <sup>®</sup> Profile S, specifications at <a href="http://onvif.org">onvif.org</a>   |   |
| <b>Analytics</b>                         | <b>Included</b><br>AXIS Video Motion Detection, AXIS Fence Guard, AXIS Motion Guard<br><b>Supported</b><br>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>                    | Detectors: live stream accessed, motion detection, shock detection, day/night mode<br>Hardware: network, temperature, fan<br>Input Signal: manual trigger, virtual inputs<br>PTZ: autotracking, error, moving, preset reached, ready<br>Storage: disruption, recording<br>System: system ready<br>Time: recurrence, use schedule   |   |
| <b>Event conditions</b>                  | Analytics, external input, virtual inputs through API<br>Audio: audio detection<br>Device status: above operating temperature, above or below operating temperature, below operating temperature, fan failure,   |   |
| <b>Event actions</b>                     | Record video: SD card and network share<br>Pre- and post-alarm video or image buffering for recording or upload<br>Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share, and email<br>Notification: email, HTTP, HTTPS, TCP, and SNMP trap<br>PTZ: PTZ preset, guard tour<br>Overlay text, day/night mode<br>WDR mode  |   |
| <b>Data streaming</b>                    | Event data   |   |
| <b>Built-in installation aids</b>        | Focus assistant, pixel counter, remote back focus  |   |
| <b>General</b>                           |  |   |
| <b>Casing</b>                            | IK08, IK10 housing and mounting <sup>b</sup> , IP66- and NEMA 4X-rated<br>Repaintable metal casing (aluminum), hard coated Polycarbonate (PC) clear dome with Sharpdome technology   |   |
| <b>Sustainability</b>                    | PVC free   |   |
| <b>Memory</b>                            | 512 MB RAM, 256 MB Flash   |   |
| <b>Power</b>                             | Axis High PoE midspan 1-port: 100–240 V AC, max 74 W<br>Camera consumption: typical 11 W, max 51 W<br>Axis PoE+ midspan 1-port: 100–240 V AC, max 37 W<br>IEEE 802.3at Type 2 Class 4<br>Camera consumption: typical 11 W, max 25 W  |   |
| <b>Connectors</b>                        | RJ45 10BASE-T/100BASE-TX PoE<br>RJ45 Push-pull Connector (IP66)  |   |
| <b>Storage</b>                           | Support for SD/SDHC/SDXC card<br>Support for SD card encryption<br>Support for recording to network-attached storage (NAS)<br>For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>   |   |
| <b>Operating conditions</b>              | With 30 W midspan: -20 °C to 50 °C (-4 °F to 122 °F)<br>With 60 W midspan: -55 °C to 50 °C (-67 °F to 122 °F)<br>Absolute maximum temperature: 74 °C (165 °F) according to NEMA TS2 2016, 2.2.7<br>Arctic Temperature Control: Start-up as low as -40 °C (-40 °F)<br>Humidity 10–100% RH (condensing)  |   |
| <b>Storage conditions</b>                | -40 °C to 70 °C (-40 °F to 158 °F)<br>Humidity 5–95% RH (non-condensing)   |   |
| <b>Approvals</b>                         | EMC<br>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<br>KCC KN32 Class A, KN35<br>Safety<br>IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, Laser Safety Regulations IEC/EN 60825-1 Class I Ed. 3 (2014)<br>Environment<br>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<br>Midspan: EN 60950-1, GS, UL, cUL, CE, FCC, VCCI, CB, KCC, UL-AR<br>Network<br>NIST SP500-267 |   |
| <b>Dimensions</b>                        | With mounting hook:<br>274 x 165 x 165 mm (10 13/16 x 6 1/2 x 6 1/2 in)<br>Without mounting hook:<br>256 x 165 x 165 mm (10 1/16 x 6 1/2 x 6 1/2 in)   |   |
| <b>Weight</b>                            | 2.9 kg (6.4 lb)  |   |
| <b>Included accessories</b>              | IP66-rated RJ45 connector kit, Axis High PoE SFP Midspan, Installation guide, Windows decoder 1-user license   |   |

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| <b>Optional accessories</b>      | AXIS T91/T94 Mounting Accessories, Axis High PoE midspans<br>For more accessories, see <a href="http://axis.com">axis.com</a>  | a. <i>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).</i><br>b. <i>Mounting not included</i> |
| <b>Video management software</b> | AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/vms">www.axis.com/vms</a> | Environmental responsibility:<br><a href="http://axis.com/environmental-responsibility">axis.com/environmental-responsibility</a>   |
| <b>Languages</b>                 | English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese  |   |
| <b>Warranty</b>                  | Axis 3-year warranty and AXIS Extended Warranty option, see <a href="http://axis.com/warranty">axis.com/warranty</a>   |   |