

## AXIS Q1615-LE Mk III Network Camera

For analytics with deep learning

AXIS Q1615-LE Mk III combines exceptional imaging and video performance with outstanding hardware and processing capabilities to provide the perfect platform for analytics based on artificial intelligence (AI) with deep learning. A fixed box camera with Q-line functionality, it features an innovative dual chipset that is the basis for nuanced and remarkably granular object classification. This advanced hardware offers a unique opportunity to take advantage of tailor-made third-party applications based on deep learning. The dual chipset also makes it possible for preinstalled AXIS Object Analytics to distinguish between bikes, cars, buses, trucks, and so on.

- > Powerful AI with deep learning
- > Granular object classification
- > Support for 3rd-party AI applications
- > Edge-based processing for scalability
- > Premium Axis Q-line camera features







## AXIS Q1615-LE Mk III Network Camera

1/2.8" Progressive scan RGB CMOS  Varifocal, IR corrected, CS-mount 2 MP (16:9): 2.8-8.5 mm, F1.2  Horizontal field of view: 102°-40°  Vertical field of view: 58°-22° i-CS lens  Automatically removable infrared-cut filter  HDTV 1080p 25/30 fps with Forensic WDR and Lightfinder: Color: 0.05 lux, B/W: 0.01 lux at 50 IRE, F1.2  HDTV 1080p 50/60 fps with Forensic WDR and Lightfinder: Color: 0.1 lux, B/W: 0.02 lux at 50 IRE, F1.2  HDTV 1080p 100/120 fps: Color: 0.2 lux, B/W: 0.04 lux at 50 IRE, F1.2 0 lux with IR illumination on  1/125000 to 2 s  (SoC)	Application Programming Interface  Onscreen controls  Event conditions	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com AXIS Guardian with One-Click Connection One-click cloud connection ONVIF® Profile G, ONVIF® Profile S and ONVIF® Profile T, specifications at onvif.org  Electronic image stabilization Day/night shift Defogging Wide dynamic range Video streaming indicator	
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-		Analytics, external input, supervised external input, edge storag events, virtual inputs through API Audio: audio detection Device status: above operating temperature, above or below operating temperature, below operating temperature, casing	
(SoC)		open, IP address removed, network lost, new IP address, shock	
(000)		detection, ring power overcurrent protection, storage failure, system ready, within operating temperature	
ARTPEC-7		Edge storage: recording ongoing, storage disruption	
2048 MB RAM, 1024 MB Flash		I/O: digital input, manual trigger, virtual input	
Deep learning processing unit (DLPU)		MQTT subscribe PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready	
		Scheduled and recurring: scheduled event Video: live stream open	
H.264 (MPEG-4 Part 10/AVC), Main, Baseline and High Profile H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	Event actions	<u> </u>	
HDTV 1080p 100/120 fps (no WDR): 1920x1080 to 160x90 HDTV 1080p 50/60 fps (WDR):1920x1080 to 160x90 HDTV 1080p 25/30 fps (WDR): 1920x1080 to 160x90			
Up to 100/120 fps (50/60 Hz) in 1080p (no WDR)			
Multiple, individually configurable streams in H.264, H.265 and Motion JPEG		PTZ: PTZ preset, start/stop guard tour Overlay text, external output activation, play audio clip, zoom preset, defog mode, PTZ control	
AXIS ZIPSTREAM TECHNOLOGY IN H.264 and H.265 Controllable frame rate and bandwidth	Data streaming	Event data	
VBR/ABR/MBR H.264/H.265 Video streaming indicator	Built-in installation aids	Focus assistant, pixel counter, leveling assistant, camera orientation aid, traffic wizard	
120 dB depending on scene, white balance, day/night threshold,		i-CS: Remote zoom and focus Other lens: Remote back focus	
defogging, electronic image stabilization, barrel distortion correction, compression, rotation: auto, 0°, 90°, 180°, 270°, dynamic text and image overlay, polygon privacy mask, mirroring of images  Scene profiles: forensic, vivid, traffic overview	<del>-</del>		
	AXIS Object Analytics	Object classes: humans, vehicles (types: cars, buses, trucks, bikes)  Trigger conditions: line crossing, object in area, time in area  Up to 10 scenarios	
Digital PTZ, uploadable PTZ driver (Pelco D pre-installed)		Metadata visualized with trajectories and color-coded bounding	
		boxes Polygon include/exclude areas	
Two-way, full duplex		Perspective configuration	
24bit LPCM, AAC-LC 8/16/32/44.1/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz Configurable bit rate	Applications	ONVIF Motion Alarm event  Included AXIS Object Analytics AXIS Video Motion Detection, active tampering alarm, audio detection Supported AXIS Perimeter Defender Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	
External microphone input, line input, digital input with ring power, balanced microphone, balanced input, automatic gain control, line output 24 bit AD/DA-conversion			
Password protection, IP address filtering. HTTPS <sup>a</sup> encryption	General		
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, secure boot, secure keystore (CC EAL4 certified), TPM (FIPS 140-2 certified)	Casing	IP66-, IP67-, and NEMA 4X-rated, IK10 impact resistant aluminum enclosure Weathershield with black anti-glare coating Color: White NCS S 1002-B Intrusion alarm switch	
IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS <sup>a</sup> , TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP™, SNMPv1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)	Mounting	1/4"–20 tripod screw thread Camera stand included	
	Sustainability	PVC free	
	Power	Power over Ethernet IEEE 802.3at Type 2 Class 4, max. 25.5 W, typical 13.7 W  OptimizedIR with power-efficient, long-life 850 nm IR LEDs	
D HHN HHH U NNACVV S1 tided oS D T 2 GC E pe 2 Piliams e III QURA	L264 (MPEG-4 Part 10/AVC), Main, Baseline and High Profile L265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG  IDTV 1080p 100/120 fps (no WDR): 1920x1080 to 160x90 IDTV 1080p 50/60 fps (WDR): 1920x1080 to 160x90 IDTV 1080p 25/30 fps (WDR): 1920x1080 to 160x90 IDTV 1080p 26/30 fps (WDR): 1920x1080 to 160x90 IDTV 1080p 26/30 fps (WDR): 1920x1080 to 160x90 IDTV 1080p 1080p 26/30 fps (WDR): 1920x1080 to 160x90 IDTV 1080p 109/30 fps (WDR): 1	L264 (MPEG-4 Part 10/AVC), Main, Baseline and High Profile L265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG  IDTV 1080p 100/120 fps (no WDR): 1920x1080 to 160x90 IDTV 1080p 50/60 fps (WDR): 1920x1080 to 160x90 IDTV 1080p 25/30 fps (WDR): 1920x1080 to 160x90 IDTV 1080p 25/30 fps (WDR): 1920x1080 to 160x90 Ip to 100/120 fps (50/60 Hz) in 1080p (no WDR)  Multiple, individually configurable streams in H.264, H.265 and Motion JPEG  Multiple, individually configurable streams in H.264, H.265 and Motion JPEG  Multiple, individually configurable streams in H.264, H.265 and Motion JPEG  Multiple, individually configurable streams in H.264, H.265 and Motion JPEG  Multiple, individually configurable streams in H.264, H.265 and Motion JPEG  Multiple, individually configurable streams in H.264, H.265 and Motion JPEG  Multiple, individually configurable streams in H.264, H.265 and Motion JPEG  Multiple, individually configurable streams in H.264, H.265 and Motion JPEG  Multiple, individually configurable streams in H.264, H.265 and Motion JPEG  Multiple, individually configurable streams in H.264, H.265 and Motion JPEG  Multiple, individually configurable streams in H.264, H.265 and Motion JPEG  Multiple, individually configurable streams in H.264, H.265 and Motion JPEG  Multiple, individually configurable streams in H.264, H.265 and Motion JPEG  Multiple, individually configurable streams in H.264, H.265 and Motion JPEG  Multiple, individually configurable streams in H.264, H.265 and Motion JPEG  Multiple, individually configurable streams in H.264, H.265 and Motion JPEG  Multiple, individually configurable streams in H.264, H.265 and Motion JPEG  Multiple, individually configurable streams in H.264, H.265  Martiple Multiple, individually configurable streams in H.264, H.265  Multiple, individually configurable streams in H.264, H.265  Martiple Multiple, individually configurable streams in H.264, H.265  Multiple, individually configurable streams in H.264, H.265  Multiple, individually configurable streams in H.264, H.26	

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	Range of reach 60 m (196 ft) or more depending on the scene
Connectors	Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T POE I/O: 6-pin 2.5 mm terminal block for four configurable inputs/outputs(12 V DC output, max load 50 mA). Two of the ports can be supervised. RS485/RS422, 2 pcs, 2 pos, full duplex, terminal block 3.5 mm mic/line in, 3.5 mm line out i-CS connector (compatible with P-Iris and DC-iris)
Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Operating conditions	-40 °C to 60 °C (-40 °F to 140 °F) with PoE Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F) Humidity 10–100% RH (condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing)
Approvals	EMC EN 50121-4, IEC 62236-4, EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 55035, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A, EAC, KCC KN32 Class A, KN35 Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, CAN/CSA C22.2 No. 62368-1, IEC 62471 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-7, IEC 60068-2-7, IEC/EN 6252 IP66/IP67, IEC/EN 62262 IK10, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9) Network NIST SP500-267

Dimensions	201 x 179 x 494 mm (7.9 x 7.1 x 19.4 in)	
Weight	6965 g (15.4 lb)	
Included accessories	AXIS T94Q01A Wall Mount, Sunshield Connector kit, Resistorx® T20 tool, Installation Guide, Windows® decoder 1-user license	
Optional lenses	Lens CS 4-10 mm F0.9 P-Iris Ricom 2MP Lens DC-iris 8-26 mm F0.9 Fujinon Varifocal Lens 8-80 mm, DC-iris Lens i-CS 9-50 mm F1.5 8 MP Lens CS 12-50 mm F1.4 P-Iris 8 MP	
Optional accessories	Axis mounts, Axis lenses, Axis midspans For more accessories, see axis.com	
Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms	
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese	
Warranty	5-year warranty, see axis.com/warranty	
Export control	The product contains U.Sorigin controlled technology/component, the US Export Administration Regulations (EAR) are always applicable to the product. You should comply at all times with all applicable national and international (re-) export control regulations.	

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).

Environmental responsibility:

axis.com/environmental-responsibility

