

## **AXIS Q1700-LE License Plate Camera**

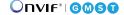
Dedicated camera for sharp images at high speeds

AXIS Q1700-LE License Plate Camera delivers clear and sharp license plate images from vehicles moving at speeds of up to 130 km/h (81 mph) day and night. Thanks to a built-in license plate capture assistant, the camera is easy to setup and image settings are automatically adjusted to fit speed, installation height and vehicle distance in a specific traffic scene. A robust design ensures reliable operation in extreme weather conditions and in wind forces up to hurricane level. The camera is designed for usage with third-party edge or server-based software to perform license plate recognition and trigger actions.

- > Sharp license plates in HDTV 1080p / 2 MP
- > OptimizedIR range up to 50 m (164 ft)
- > 8x optical zoom
- > Horizontal field of view of 16° 2.3°
- > Designed for third-party software









## AXIS Q1700-LE License Plate Camera

Camera		Network		
Image sensor	1/2.8" progressive scan RGB CMOS	Network	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS, TLS, QoS	
Lens	18–137 mm, F2.9–4.0 Horizontal field of view: 16°–2.3° Vertical field of view: 9.6°–1.3° Installation focus, auto-iris, automatic day/night Thread for 62 mm filters, max filter thickness: 5 mm	protocols	Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)	
Day and night	<u> </u>		System integration	
Minimum illumination	infrared-pass filter 720 nm in night mode  Color: 0.16 lux at 50 IRE F1.4  B/W: 0.03 lux at 50 IRE F1.4, 0 lux with IR illumination on	Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <i>axis.com</i> One-click cloud connection ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and	
Shutter speed	1/66500 s to 1 s		ONVIEW Profile T, specification at <i>onvif.org</i>	
License Plate (	Capture	Event conditions	Analytics, edge storage events	
Detection range	Day: 20–100 m (66–328 ft) Night: 20–50 m (66–164 ft) Night detection range up to 100 m (328 ft) with optional accessory AXIS T90D20 IR-LED Illuminator		MQTT subscribe Supervised external input, virtual inputs through API, shock detection, video motion detection, audio detection, active tampering	
IR illumination	OptimizedIR with power-efficient, long-life 850 nm IR LED's with adjustable angle of illumination and intensity. Range of reach 40 m (131 ft) in wide field of view and 50 m (164 ft) in full tele view, or more depending on the scene	Event actions	Pre- and post-alarm video buffering File upload: FTP, SFTP, HTTP, HTTPS, network share and email MOTT publish Notification: email, HTTP, HTTPS, TCP and SNMP trap	
Vehicle speed	Up to 130 km/h (81 mph) with optional edge analytics	Data streaming	Event data	
Coverage	Up to 250 km/h (155 mph) with server based analytics Single lane with optional edge analytics	Built-in installation aids	License plate capture assistant, remote zoom, pixel counter, leveling assistant, autorotation	
	Two lanes with server based analytics	Analytics		
Installation	Mounting height: Up to 10 m (33 ft) Distance from road: Up to 10 m (33 ft) Camera detects tilt and roll angle automatically Built-in licence plate capture assistant optimizes video settings based on mounting height, distance to vehicle, and expected vehicle speed	Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard Gatekeeper Supported AXIS License Plate Verifier Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	
System on chip		Cybersecurity	, , ,,	
Model	ARTPEC-6	Edge security	Software: Signed firmware, brute force delay protection, digest	
Memory	1024 MB RAM, 512 MB Flash		authentication and OAuth 2.0 RFC6749 OpenID Authorization Code Flow for centralized ADFS account management, passwor protection	
Video Video	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles			
compression	Motion JPEG	Network security	IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2),	
Resolution	1920x1080 HDTV 1080p to 160x120 Maximum pixel density with 8x optical zoom: 25 m (82 ft): 1912 px/m 50 m (164 ft): 956 px/m	Degramentation	IEEE 802.1AE (MACsec PSK/EAP-TLS), HTTPS/HSTS, TLS v1.2/v1.3, Network Time Security (NTS), X.509 Certificate PKI, host-based firewall	
	250 m (820 ft): 191 px/m	Documentation	AXIS OS Hardening Guide Axis Vulnerability Management Policy	
Frame rate	With WDR: Up to 25/30 fps (50/60 Hz) in all resolutions Without WDR: Up to 50/60 fps (50/60 Hz) in all resolutions		Axis Security Development Model AXIS OS Software Bill of Material (SBOM) To download documents, go to axis.com/support/cybersecurity/resources To read more about Axis cybersecurity support, go to axis.com/cybersecurity	
Video streaming	Motion JPEG Axis Zipstream technology in H.264			
	Controllable frame rate and bandwidth VBR/ABR/MBR H.264	General		
Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR: Up to 120 dB depending on scene, defogging, white balance, day/night threshold, exposure mode, exposure zones, compression, mirroring of images, electronic image stabilization, barrel distortion correction, text and image overlay, dynamic text and image overlay, privacy masks	Casing	IP66- and NEMA 4X-rated, IK10 impact-resistant aluminum enclosure with integrated dehumidifying membrane, IK08 impact-resistant glass front window, weathershield with black anti-glare coating Wind survivability 60 m/s (134 mph) Color: Dark Gray NCS S 5502-B (Weathershield: Black)	
	Rotation: auto, 0°, 180°	Sustainability	PVC free, 5% recycled plastic	
D. Trueta	Scene profiles: license plate, forensic, vivid, traffic overview	Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3	
Pan/Tilt/Zoom	8x optical zoom, preset positions		Typical 7.7 W, max 12.95 W 20–28 V DC, typical 7.8 W, max 13.5 W	
Audio Audio streaming	Audio in, simplex		20–24 V AC, typical 12.4 V A, max 20 V A	
, wallo streaming	Two-way audio via edge-to-edge technology	Connectors	Shielded RJ45 10BASE-T/100BASE-TX PoE	
Audio encoding	AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz, LPCM Configurable bit rate		IDC punchdown connector DC Power connector Terminal block for two configurable supervised inputs / digital outputs (12 V DC output, max. load 50 mA) 3.5 mm mic/line in	
Audio input/output	Automatic gain control External microphone input, line input, digital input with ring power, balanced microphone, balanced input Network speaker pairing	IR illumination	OptimizedIR with power-efficient, long-life 850 nm IR LED's with adjustable angle of illumination and intensity. Range of reach	

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	40 m (131 ft) in wide field of view and 50 m (164 ft) in full tele view, or more depending on the scene
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) 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 55032 Class A, EN 50121-4, IEC 62236-4, EN 55024, 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 CISPR 32 Class A, KCC KN32 Class A, KN35, EAC Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, EN/IEC 62471, IS 13252 Environment EN 50581, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 60529 IP66, IEC/EN 62262 IK10 body, IK08 glass, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9)

	Network NIST SP500–267
Dimensions	Length: 439 mm (17.3 in) ø 147 mm (5.8 in)
Weight	2.4 kg (5.3 lb)
Included accessories	Installation Guide, Windows® decoder 1-user license, connector kit, Resistorx® L-key RJ45 patch cable
Optional accessories	AXIS T90D20 IR-LED Illuminator – for night time capture range at up to 100 m (328 ft) AXIS T8604 Media Converter Switch AXIS T91A47 Pole Mount, AXIS T94P01B Corner Bracket 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, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
Warranty	5-year warranty, see axis.com/warranty

