

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 t speed, installation height and vehicle distance in a speciet rafectore. 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	Security	Password protection, IP address Itering, HTTPS ^a encryption,	
Lens	18-137 mm, F2.9-4.0 Horizontal eld of view: 16°-2.3° Vertical eld of view: 9.6°-1.3°		IEEE 802.1x (EAP-TLS) ^a network access control, digest authentication, user access log, centralized certi cate management, signed rmware, brute force delay protection	
	Installation focus, auto-iris, automatic day/night Thread for 62 mm Iters, max Iter thickness: 5 mm	Network protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour),	
Day and night	Automatically removable infrared-cut lter in day mode and infrared-pass lter 720 nm in night mode		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	
Minimum illumination	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	System integra	(RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)	
Shutter speed	1/66500 s to 1 s	Application	Open API for software integration, including VAPIX® and	
License Plate (•	Programming Interface	AXIS Camera Application Platform; speci cations at axis.com One-click cloud connection	
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	Event conditions	ONVIF® Pro le G, ONVIF® Pro le M, ONVIF® Pro le S, and ONVIF® Pro le T, speci cation at <i>onvif.org</i>	
IR illumination	OptimizedIR with power-ef cient, long-life 850 nm IR LED's with adjustable angle of illumination and intensity. Range of reach 40 m (131 ft) in wide eld of view and 50 m (164 ft) in full tele view, or more depending on the scene		MQTT subscribe Supervised external input, virtual inputs through API, shock detection, video motion detection, audio detection, active tampering	
Vehicle speed	Up to 130 km/h (81 mph) with optional edge analytics Up to 250 km/h (155 mph) with server based analytics	Event actions	Pre- and post-alarm video buffering File upload: FTP, SFTP, HTTP, HTTPS, network share and email MQTT publish	
Coverage	Single lane with optional edge analytics Two lanes with server based analytics		Noti cation: email, HTTP, HTTPS, TCP and SNMP trap	
Installation	Mounting height: Up to 10 m (33 ft)	Data streaming	Event data	
	Distance from road: Up to 10 m (33 ft)	Built-in installation aids	License plate capture assistant, remote zoom, pixel counter, leveling assistant, autorotation	
	Camera detects tilt and roll angle automatically Built-in licence plate capture assistant optimizes video settings	Analytics		
•	based on mounting height, distance to vehicle, and expected vehicle speed	Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard Gatekeeper	
System on chip Model	ARTPEC-6		Support for AXIS Camera Application Platform enabling	
Memory	1024 MB RAM, 512 MB Flash		installation of third-party applications, see axis.com/acap	
Video	1024 IVID ICAIVI, 512 IVID I Iddil	General	ID44 and NEMA 4V rated IV10 impact resistant aluminum	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Pro les Motion JPEG	impact-resistant glass front window, wea IV 1080p to 160x120 I density with 8x optical zoom: impact-resistant glass front window, wea anti-glare coating Wind survivability 60 m/s (134 mph) Colors Park Cray NCS S 5503 P (Weather	enclosure with integrated dehumidifying membrane, IK08 impact-resistant glass front window, weathershield with black	
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			
		Sustainability	PVC free, 5% recycled plastic	
Frame rate	250 m (820 ft): 191 px/m 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	Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 7.7 W, max 12.95 W 20–28 V DC, typical 7.8 W, max 13.5 W	
Video streaming	Multiple, individually con gurable streams in H.264 and		20–24 V AC, typical 12.4 V A, max 20 V A	
	Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/ABR/MBR H.264	Connectors	Shielded RJ45 10BASE-T/100BASE-TX POE IDC punchdown connector DC Power connector Terminal block for two con gurable supervised inputs / digital	
Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR: Up to 120 dB depending on scene, defogging, white balance, day/night		outputs (12 V DC output, max. load 50 mA) 3.5 mm mic/line in	
	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	IR illumination	OptimizedIR with power-ef cient, long-life 850 nm IR LED's with adjustable angle of illumination and intensity. Range of reach 40 m (131 ft) in wide eld of view and 50 m (164 ft) in full tele view, or more depending on the scene	
	Rotation: auto, 0°, 180° Scene pro les: license plate, forensic, vivid, traf c overview	Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit)	
Pan/Tilt/Zoom	8x optical zoom, preset positions		Recording to network-attached storage (NAS)	
Audio		Operating	For SD card and NAS recommendations see axis.com	
Audio streaming	Two-way audio via edge-to-edge technology	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)	
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	Cham	Humidity 10-100% RH (condensing)	
Audio	Con gurable bit rate Automatic gain control	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing)	
input/output	External microphone input, line input, digital input with ring	Approvals	EMC	

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	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, Simpli ed Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	5-year warranty, see axis.com/warranty
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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).

