

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









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Camera		Supported	IPv4, IPv6 USGv6, HTTP, HTTPSa, SSL/TLSa, QoS Layer 3 DiffServ,
Image sensor	1/2.8" progressive scan RGB CMOS	protocols	FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP®, SNMP v1/v2c/v3
Lens	18–137 mm, F2.9–4.1 Horizontal field of view: 16°–2.3°	(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP	
	Vertical field of view: 9.6°–1.3°	System integration	
	Installation focus, auto-iris, automatic day/night	Application	Open API for software integration, including VAPIX® and
D	Thread for 62 mm filters, max filter thickness: 5 mm	Programming Interface	AXIS Camera Application Platform; specifications at axis.com AXIS Guardian with One-Click Connection
Day and night	Automatically removable infrared-cut filter in day mode and infrared-pass filter 720 nm in night mode		ONVIF® Profile S and ONVIF® Profile G, specification at <i>onvif.org</i>
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	Analytics	Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
Shutter time	1/66500 s to 1 s	Event triggers	Analytics, edge storage events Supervised external input, virtual inputs through API, shock
License Plate Capture			detection
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 actions	Pre- and post-alarm video buffering File upload: FTP, SFTP, HTTP, HTTPS, network share and email Notification: email, HTTP, HTTPS, TCP and SNMP trap
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	Data streaming	Event data
		Built-in installation aids	License plate capture assistant, remote zoom, pixel counter, leveling assistant, autorotation
		General	
Vehicle speed	Up to 130 km/h (81 mph) with optional edge analytics	Casing	IP66- and NEMA 4X-rated, IK10 impact-resistant aluminum
	Up to 250 km/h (155 mph) with server based analytics		enclosure with integrated dehumidifying membrane, IKO8 impact-resistant glass front window, weathershield with black
Coverage	Single lane with optional edge analytics Two lanes with server based analytics		anti-glare coating
Installation	<u>'</u>		Wind survivability 60 m/s (134 mph) Color: Dark Gray NCS S 5502-B (Weathershield: Black)
ilistaliation	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	Sustainability	PVC free, 5% recycled plastic
		Memory	1024 MB RAM, 512 MB Flash
		Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3
	vehicle speed	Tower	Typical 7.7 W, max 12.95 W
Video			20–28 V DC, typical 7.8 W, max 13.5 W
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles	Cammantana	20–24 V AC, typical 12.4 V A, max 20 V A
Resolution	Motion JPEG 1920x1080 HDTV 1080p to 160x120	Connectors	Shielded RJ45 10BASE-T/100BASE-TX PoE IDC punchdown connector
resolution	Maximum pixel density with 8x optical zoom:		DC Power connector
	25 m (82 ft): 1912 px/m 50 m (164 ft): 956 px/m 250 m (820 ft): 191 px/m		Terminal block for two configurable supervised inputs / digital outputs (12 V DC output, max. load 50 mA)
			3.5 mm mic/line in
Frame rate	With WDR: Up to 25/30 fps (50/60 Hz) in all resolutions	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
Video streaming	Without WDR: Up to 50/60 fps (50/60 Hz) in all resolutions Multiple, individually configurable streams in H.264 and		
video streaming	Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/ABR/MBR H.264	Storage	view, or more depending on the scene
			Support for microSD/microSDHC/microSDXC card Support for SD card encryption Support for recording to network-attached storage (NAS)
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	Operating	For SD card and NAS recommendations see axis.com
		conditions	-40 °C to 60 °C (-40 °F to 140 °F) Humidity 10-100% RH (condensing)
		Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
	image overlay, privacy masks	Approvals	EMC
	Rotation: auto, 0°, 180° Scene profiles: license plate, forensic, vivid, traffic overview	Approvais	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,
Pan/Tilt/Zoom	8x optical zoom, preset positions		ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A,
Audio			KCC KN32 Class A, KN35, EAC
Audio streaming	Audio in, simplex		Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22
Audio compression	AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz, LPCM	IS 13252 Environment	
Notwork.	Configurable bit rate		EN 50581, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-7, IEC 60068-2-78,
Network Security	Password protection, IP address filtering, HTTPS ^a encryption,		IEC/EN 60529 IP66, IEC/EN 62262 IK10 body, IK08 glass,
,	IEEE 802.1x (EAP-TLS) ^a network access control, digest		NEMA 250 Type 4X, NEMA TS 2 (Subsection 2.2.7-2.2.9) Network
	authentication, user access log, centralized certificate management		NIST SP500-267
	Brute force delay protection		Other EN/IEC 62471
	·	Dimensions	<u> </u>
		Dimensions	Length: 439 mm (17.3 in)

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	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			
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).				
Environmental responsibility:				
axis.com/environmental-responsibility				

