

AXIS P3245-LVE-3 License Plate Verifier Kit

Easy, cost-effective vehicle access control

AXIS P3245-LVE-3 includes an HDTV 1080p fixed dome camera and comes with AXIS License Plate Verifier preinstalled. This easy-to-install kit verifies license plates against a list of authorized or unauthorized number plates stored in the camera. Processing and storage take place in the camera, so there's no need for expensive servers, and bandwidth requirements are reduced. This vandal-resistant camera includes shock detection, so it's safe to use even when installed at lower, more accessible heights. And Axis OptimizedIR ensures the ideal image settings for license plate reading 24/7. Furthermore, it offers integration with video management systems (VMS) for complex requirements.

- > [All-in-one vehicle access control](#)
- > [Support for allow- and blacklist](#)
- > [Vandal- and weather-resistant](#)
- > [Built-in support for Axis Network Door Controllers](#)
- > [OptimizedIR for recognition in darkness](#)



AXIS License Plate Verifier

Application

Compute platform	Edge
Licenses	AXIS License Plate Verifier license included.
Configuration	Web configuration included
Settings	Define area of interest in scene. Allow- and blocklist logic. Barrier mode: Open to all, open to allowlisted, open to all but blocklisted. Minimum width: 130 pixels for one-row license plates; 70 pixels for two-row license plates. FIFO event log entries including thumbnail image of license plate. Up to 1000 entries on camera storage. Up to 100 000 entries on AXIS Surveillance Cards. Configurable retention time of stored events
Detection range	2.0 to 7.0 m (6.6 to 23 ft)
Vehicle speed	Up to 30 km/h (19 mph)
Detection time	Less than 1 second.

Scenarios

Typical applications	Efficient vehicle access control Efficiently automates the entry and exit procedures for authorized vehicles at depots, service centers, lots, priority lanes, parking facilities, and various other locations. Validates license plates against allowlists or blocklists for efficient, seamless access control. Supports up to 10,000 license plates in each list. Adding more functionality Integrate with Axis network door controllers for increased options and functionality. Axis network door controllers, in conjunction with AXIS Camera Station Secure Entry, support more advanced access rules, schedules, and detailed event logs. Compatible with various partner software, offering diverse credential options and tailored features to meet specific needs. License plate recognition in slow traffic In slow traffic, the application can detect and read license plates in traffic at up to 30 km/h (19 mph) on access roads, in city centers and enclosed areas such as campuses, ports or airports. This allows for LPR-forensic search and LPR-triggered events in a VMS such as AXIS Camera Station.
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System integration

Application Programming Interface	Open API for software integration.
Event streaming	Integrates with camera event management system to enable event streaming to management software and camera actions such as I/O control, notification, and edge storage.
Supported devices	Direct integration with Axis network door controllers and Axis A91 Network I/O Relay Modules.
General	
Supported countries	For a complete list of supported countries, go to the product page at axis.com
Languages	English

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Camera		Event conditions	Analytics, external input, supervision of input, edge storage events, virtual inputs through API, MQTT subscribe
Image sensor	1/2.8" progressive scan RGB CMOS	Event actions	Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share, and email Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, TCP, and SNMP trap MQTT publish Overlay text, external output activation, play audio clip, make call
Lens	Varifocal, 3.4–8.9 mm, F1.8 Horizontal field of view: 100°–36° Vertical field of view: 53°–20° Remote zoom and focus, P-Iris control, IR corrected	Data streaming	Event data
Day and night	Automatically removable infrared-cut filter	Built-in installation aids	Pixel counter, remote focus, remote zoom Optimized IR with adjustable IR illumination intensity
Minimum illumination	With Forensic WDR and Lightfinder 2.0: Color: 0.1 lux at 50 IRE, F1.8 Color: 0.1 lux at 50 IRE, F1.8/F1.6 B/W: 0.02 lux at 50 IRE, F1.8/F1.6; 0 lux with IR illumination on	Analytics	
Shutter speed	1/66500 s to 2 s	Applications	Included AXIS License Plate Verifier, AXIS Video Motion Detection, active tampering alarm, audio detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap .
Camera angle adjustment	Pan ±180°, tilt ±75°, rotation ±175°	Approvals	
System on chip (SoC)		EMC	CISPR 24, CISPR 35, CISPR 32 Class A, EN 55032 Class A, EN 50121-4, EN 55024, EN 61000-6-1, EN 61000-6-2 Australia/New Zealand: RCM AS/NZS CISPR 32 Class A Canada: ICES-3(A)/NMB-3(A) Japan: VCCI Class A Korea: KC KN32 Class A, KC KN35 USA: FCC Part 15 Subpart B Class A Railway: IEC 62236-4
Model	ARTPEC-7	Safety	IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IS 13252, IEC/EN 62471
Memory	1024 MB RAM, 512 MB Flash	Environment	IEC 60068-2-1, IEC 60068-2-14, IEC 60068-2-2, IEC 60068-2-27, IEC 60068-2-6, IEC 60068-2-78, IEC/EN 60529 IP66, IEC/EN 62262 IK10, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9)
Compute capabilities	Machine learning processing unit (MLPU)	Network	NIST SP500-267
Video		Cybersecurity	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	Edge security	Software: Signed firmware, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 OpenID Authorization Code Flow for centralized ADFS account management, password protection, AES-XTS-Plain64 256bit SD card encryption Hardware: Secure boot
Resolution	1920x1080 to 160x90	Network security	IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2), 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
Frame rate	With WDR: 25/30 fps with power line frequency 50/60 Hz Without WDR: 50/60 fps with power line frequency 50/60 Hz	Documentation	<i>AXIS OS Hardening Guide</i> <i>Axis Vulnerability Management Policy</i> <i>Axis Security Development Model</i> 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	Multiple, individually configurable streams in H.264, H.265, and Motion JPEG Axis Zipstream technology for H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265 Low latency mode	General	
Multi-view streaming	Up to 2 individually cropped out view areas in full frame rate	Casing	IP66- and NEMA 4X-rated, IK10 impact-resistant polycarbonate casing with hard-coated dome and dehumidifying membrane Encapsulated electronics and captive screws Color: white NCS S 1002-B For repainting instructions and impact on warranty, contact your Axis partner.
Image settings	Compression, color saturation, brightness, sharpness, contrast, local contrast, white balance, day/night threshold, tone mapping, exposure control (including automatic gain control), exposure zones, defogging, Forensic WDR: up to 120 dB depending on scene, barrel distortion correction, fine tuning of low-light behavior, dynamic text and image overlay, privacy masks, mirroring, rotation: 0°, 90°, 180°, 270°	Mounting	Mounting bracket with holes for junction box (double-gang, single-gang, and 4" octagon) and for wall or ceiling mount ¼"-20 UNC tripod screw thread
Pan/Tilt/Zoom	Digital PTZ, preset positions	Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 6.4 W, max 11.3 W
Audio		Connectors	RJ45 10BASE-T/100BASE-TX PoE I/O: 4-pin 2.5 mm (0.098 in) terminal block for 1 supervised digital input and 1 digital output (12 V DC output, max. load 25 mA) Audio: 4-pin 2.5 mm (0.098 in) terminal block for audio in and out
Audio streaming	Full duplex	Network	
Audio encoding	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	Network protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS, TLS, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, 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, SIP, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)
Audio input/output	External microphone input, line input, digital input with ring power, line output, automatic gain control Two-way audio connectivity via optional AXIS T61 Audio and I/O Interfaces with portcast technology	System integration	
Network		Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com One-click cloud connection ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and ONVIF® Profile T, specification at onvif.org Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX

	Audio and I/O connectivity via AXIS T61 Audio and I/O Interfaces with portcast technology		
IR illumination	OptimizedIR with power-efficient, long-life 850 nm IR LEDs Range of reach 15 m (50 ft) or more depending on the scene	Optional accessories	AXIS T94M02L Recessed Mount, AXIS T94T01D Pendant Kit, AXIS T94M01D Pendant Kit, AXIS Dome Intrusion Switch C, AXIS TP3804-E Metal Casing White, AXIS T6101 Audio and I/O Interface, AXIS T6112 Audio and I/O Interface, AXIS ACI Conduit Adapters, Axis mounts and microphones, smoked dome, black casing For more accessories, see axis.com .
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	Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms .
Operating conditions	0 °C to 50 °C (32 °F to 122 °F) Maximum temperature according to NEMA TS2 (2.2.7): 74 °C (165 °F) -40 °C to 50 °C (-40 °F to 122 °F) Maximum temperature (intermittent): 55 °C (131 °F) Start-up temperature: -30 °C to 50 °C (-22 °F to 122 °F) Humidity 10–85% RH (non-condensing) Humidity 10–100% RH (condensing)	Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)	Warranty	5-year warranty, see axis.com/warranty .
Dimensions	Without weathershield: Height: 104 mm (4.09 in) ø 149 mm (5.87 in)	Sustainability	
Weight	With weathershield:800 g (1.8 lb)	Substance control	PVC free RoHS in accordance with EU RoHS Directive 2011/65/EU/ and EN 63000:2018 REACH in accordance with (EC) No 1907/2006. For SCIP UUID, see echa.europa.eu
Included accessories	Installation guide, Windows® decoder 1-user license, drill template, Resistorx® T20 L-key, terminal block connectors, cable gaskets, connector guard, weathershield	Environmental responsibility	axis.com/environmental-responsibility Axis Communications is a signatory of the UN Global Compact, read more at unglobalcompact.org