

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 blocklist
- > 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 onAXIS 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	Vehicle access control In Access control, the application monitors entrances and exits of gated areas such as parking areas. The application verifies detected license plates against an allowlist or a blocklist for granting or denying access to an area. Maximum 10,000 license plates in each list. For a scenario where greater functionality and flexibility are required, use AXIS A1001 Network Door Controller. AXIS A1001 with AXIS Entry Manager software supports access rules including schedules and a more detailed event log. Multiple partner software that support a great number of credentials and features are available. License plate recognition in slow speed traffic In Freeflow, the application can detect and read license plates in slow speed traffic on larger access roads, city centers and enclosed areas like campuses, ports or airports. This allows for LPR-forensic search and LPR triggered events in a VMS such as ACS.
System integra	tion
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 A1001 Network Door Controller 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			ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and	
Image sensor	1/2.8" progressive scan RGB CMOS		ONVIF® Profile T, specification at <i>onvif.org</i> Support for Session Initiation Protocol (SIP) for integration with	
Lens	Varifocal, 3.4–8.9 mm, F1.8 Horizontal field of view: 100°–36° Vertical field of view: 53°–20°		Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX	
	Remote zoom and focus, P-Iris control, IR corrected	Event conditions	Analytics, external input, supervision of input, edge storage events, virtual inputs through API, MQTT subscribe	
Day and night	Automatically removable infrared-cut filter	Event actions	Record video: SD card and network share	
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		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	
Shutter speed Camera angle	· · ·		Notification: email, HTTP, HTTPS, TCP, and SNMP trap MQTT publish Overlay text, external output activation, play audio clip, make ca	
adjustment		Data streaming	Event data	
System on chip	o (SoC)	Built-in	Pixel counter, remote focus, remote zoom	
Model	ARTPEC-7	installation aids	OptimizedIR with adjustable IR illumination intensity	
Memory	1024 MB RAM, 512 MB Flash	Analytics		
Compute capabilities	Machine learning processing unit (MLPU)	Applications	Included AXIS License Plate Verifier, AXIS Video Motion Detection, active	
Video			tampering alarm, audio detection	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile		Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap.	
	Motion JPEG	General		
Resolution Frame rate	1920x1080 to 160x90 With WDR: 25/30 fps with power line frequency 50/60 Hz	Casing	IP66- and NEMA 4X-rated, IK10 impact-resistant polycarbonate casing with hard-coated dome and dehumidifying membrane	
Video streaming	Without WDR: 50/60 fps with power line frequency 50/60 Hz Multiple, individually configurable streams in H.264, H.265, and		Encapsulated electronics and captive screws Color: white NCS S 1002-B For repainting instructions and impact on warranty, contact	
video streaming	Motion JPEG		your Axis partner.	
	Axis Zipstream technology for H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265	Mounting	Mounting bracket with holes for junction box (double-gang, single-gang, and 4" octagon) and for wall or ceiling mount 1/4"-20 UNC tripod screw thread	
Multi-view	Up to 2 individually cropped out view areas in full frame rate	Sustainability	PVC free	
Image settings	Compression, color saturation, brightness, sharpness, contrast, local contrast, white balance, day/night threshold, tone mapping,	Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 6.4 W, max 11.3 W	
	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°	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	
Pan/Tilt/Zoom Audio	Digital PTZ, preset positions		out Audio and I/O connectivity via AXIS T61 Audio and I/O Interfaces with portcast technology	
Audio streaming	Full duplex	IR illumination	OptimizedIR with power-efficient, long-life 850 nm IR LEDs	
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	Storage	Range of reach 15 m (50 ft) or more depending on the scene Support for microSD/microSDHC/microSDXC card	
Audio input/output	Configurable bit rate External microphone input, line input, digital input with ring power, line output, automatic gain control	•	Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com	
	Two-way audio connectivity via optional AXIS T61 Audio and I/O Interfaces with portcast technology	Operating conditions	0 °C to 50 °C (32 °F to 122 °F) Maximum temperature according to NEMA TS2 (2.2.7):	
Network			74 °C (165 °F)	
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X (EAP-TLS) ^a network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot		-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)	
Supported protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP [®] ,	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)	
	SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, SIP, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)		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-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A	
System integro	rtion		KC KN32 Class A, KC KN35 Safety	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com One-click cloud connection		IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IS 13252, IEC/EN 62471 Environment	

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	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) Network NIST SP500-267
Dimensions	Without weathershield: Height: 104 mm (4.09 in) ø 149 mm (5.87 in)
Weight	With weathershield:800 g (1.8 lb)
Included accessories	Installation guide, Windows® decoder 1-user license, drill template, Resistorx® T20 L-key, terminal block connectors, cable gaskets, connector guard, weathershield
	gaskets, connector guard, weathershield

	Adapters, Axis mounts and microphones, smoked dome, black casing For more accessories, see <i>axis.com</i> .
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.
. This product inc OpenSSL Toolkin (eay@cryptsoft	ludes software developed by the OpenSSL Project for use in the . (openssl.org), and cryptographic software written by Eric Young .com).

 ${\bf Environmental\ responsibility:}$

axis.com/environmental-responsibility

