

AXIS P1445-LE-3 License Plate Verifier Kit

Easy, cost-effective kit for vehicle access

AXIS P1445-LE-3 License Plate Verifier Kit consists of AXIS P1445-LE Network Camera and pre-installed AXIS License Plate Verifier analytics, making it an easy, cost-effective kit for automated vehicle entry and exit management. With edge storage and I/O ports, AXIS P1445-LE-3 uses white and black lists to accurately verify access to controlled areas such as parking lots. Furthermore, built-in support for AXIS A1001 Network Door Controller makes it possible to expand the system and an open API allows for integration with third-party software. AXIS P1445-LE-3 features OptimizedIR, impact resistance and a wide temperature range for installation in any environment.

- > **Cost-effective standalone system**
- > **Single lane detection up to 30 km/h (19 mph)**
- > **White and black lists for license plate verification**
- > **Day and night with OptimizedIR**
- > **Built-in support for Axis door controller and Axis I/O relay modules**



AXIS License Plate Verifier

Application	
Compute platform	Edge
Supported devices	For a complete list of recommended and supported products, go to the product page at axis.com
Licenses	AXIS License Plate Verifier license included.
Configuration	Web configuration included
Settings	Define region of interest in scene. White and black list logic. Barrier mode: Open to all, open to whitelisted, open to all but blacklisted. 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	Vehicle entry and exit Entrances and exits of parking areas with known vehicles. The application verifies detected license plates against a whitelist or a blacklist for granting or denying access to an area. Maximum 10,000 license plates in each list. Vehicle access control 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, more detailed event log, and up to 400 credentials (license plates and access cards). Multiple partner software that support a greater number of credentials and features are available
System integration	
Application Programming Interface	Open API for software integration; specifications available upon request.
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	
Languages	English

AXIS P1445-LE

Camera	
Image sensor	1/2.8" progressive scan RGB CMOS
Lens	Varifocal, Remote focus and zoom, P-Iris control, IR corrected
Day and night	Automatically removable infrared-cut filter
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolution	1920x1080 to 160x90
Frame rate	HDTV 1080p (1920x1080) with WDR: Up to 25/30 FPS (50/60 HZ) in all resolutions HDTV 1080p (1920x1080) without WDR: Up to 50/60 FPS (50/60 HZ) in all resolutions
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/ABR/MBR H.264
Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR: Up to 120 dB depending on scene, white balance, day/night threshold,

exposure mode, exposure zones, compression, orientation: auto, 0°, 90°, 180°, 270° including Corridor Format, mirroring of images, dynamic text and image overlay, privacy masks

Audio	
Audio streaming	Audio in, simplex
Audio compression	24bit LPCM, AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz Configurable bit rate
Audio input/output	External microphone input or line input Automatic gain control
Network	
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
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP [®] , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP, MQTT

System integration	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF® Profile G, ONVIF® Profile S and ONVIF® Profile T, specification at onvif.org
Event conditions	Analytics Detectors: live stream accessed, video motion detection, audio detection, day/night mode, shock detection, tampering Hardware: network, temperature Input Signal: digital input port, manual trigger, virtual inputs Storage: disruption, recording System: system ready Time: recurrence, use schedule
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 PTZ: PTZ preset, start/stop guard tour Overlay text, external output activation, day/night mode
Data streaming	Event data
Built-in installation aids	Pixel counter, remote zoom (3x optical), remote focus, auto rotation
Analytics	
Applications	Included AXIS License Plate Verifier
General	
Casing	IP66/IP67-, NEMA 4X-, and IK10-rated casing Polycarbonate blend and aluminium Color: white NCS S 1002-B
Sustainability	PVC free
Power	Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3 Typical: 5.6 W, max 12.95 W
Connectors	Shielded RJ45 10BASE-T/100BASE-TX PoE 3.5 mm mic/line in I/O: 4-pin terminal block for 1 alarm input and 1 output
IR illumination	Optimized IR with power-efficient, long-life 850 nm IR LEDs
Storage	Support for microSD/microSDHC/microSDXC card and encryption 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 TS2 (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 Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IEC 62471 Environment 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/IP67, IEC/EN 62262 IK10, NEMA 250 Type 4X, NEMA TS 2 (2.2.7–2.2.9) Network NIST SP500-267
Weight	With weather shield: 1 kg (2.2 lb)
Dimensions	Ø132 x 260 mm (Ø5 3/16 x 10 1/4 in)
Included accessories	Installation guide, Windows® decoder 1-user license, drill hole template, connector kit, mounting bracket AXIS Weather Shield L
Optional accessories	AXIS T94F01M J-Box/Gang Box Plate, AXIS T91A47 Pole Mount, AXIS T94P01B Corner Bracket, AXIS T94F01P Conduit Back Box, AXIS Weather Shield K, Axis PoE Midspans 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 (ey@cryptsoft.com).

Environmental responsibility:

axis.com/environmental-responsibility