

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 allow and block 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)**
- > **Allow and block 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

Licenses

AXIS License Plate Verifier license included.

Configuration

Web configuration included

Settings

Define area of interest in scene.

Allow-, block- and custom list logic. Each list can contain 10,000 plates with a total of 30,000.

Missing plate detection.

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

Reads license plates up to 200 km/h (124 mph) depending on the camera model.

Object attributes

Vehicle data: license plate recognition, license plate type (GCC), make, model, color, country, region.

Supports 120 makes and 5,000 models with more models added over time.

Object classes

Vehicle type: bike, car, SUV, van, pick-up, truck, bus

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 relay modules.

Scenarios

Typical applications

Efficient vehicle access control

Efficiently automates secure 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, blocklists and custom lists for efficient, seamless access control.

Adding more functionality

Integrate with Axis network door controllers, and in conjunction with AXIS Camera Station Secure Entry, support more advanced access rules, schedules, and detailed event logs.

Add network intercoms for visitors, and readers as a fall back when vehicle credentials can't be read.

Compatible with various partner software, offering diverse credential options and tailored features.

License plate recognition

Install in city centers and enclosed areas such as campuses, ports or airports to enable LPR-forensic search and LPR-triggered events in a VMS such as AXIS Camera Station.

General

Supported countries

For a complete list of supported countries, go to the product page at axis.com

Languages

English

AXIS License Plate Verifier

Camera

Image sensor

1/2.8" progressive scan RGB CMOS

Lens

2.8-8.5 mm, F1.2
Horizontal field of view: 110°-38°
Vertical field of view: 62°-21°
Varifocal, Remote focus and zoom, P-Iris control, IR corrected

Day and night

Automatically removable infrared-cut filter

Minimum illumination

HDTV 1080p 25/30 fps with Forensic WDR and Lightfinder:
Color: 0.07 lux, at 50 IRE F1.2; B/W: 0.01 lux, at 50 IRE F1.2
HDTV 1080p 50/60 fps with Lightfinder:
Color: 0.14 lux, at 50 IRE F1.2; B/W: 0.03 lux, at 50 IRE F1.2
0 lux with IR illumination on

System on chip (SoC)

Model

ARTPEC-6

Memory

1024 MB RAM, 512 MB Flash

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

Pan/Tilt/Zoom

Digital PTZ

Audio

Streaming

Audio in, simplex

Encoding

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

Input/output

External microphone input or line input
Automatic gain control

Network

System integration

Application Programming Interface

Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com/developer-community.
One-click cloud connection
ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S and ONVIF® Profile T, specification at onvif.org

Video management systems

Compatible with AXIS Camera Station Pro, AXIS Camera Station 5, and video management software from Axis' partners available at axis.com/vms.

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

MQTT subscribe

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

MQTT publish

Data streaming

Event data

Built-in installation aids

Pixel counter, remote zoom (3x optical), remote focus, auto rotation

Analytics

Applications

Included

AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard

AXIS License Plate Verifier

Cybersecurity

Edge security

Software: Signed OS, 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

Documentation

AXIS OS Hardening Guide

Axis Vulnerability Management Policy

Axis Security Development Model

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

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

Support for SD card encryption (AES-XTS-Plain64 256bit)

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

Languages

English, German, French, Spanish, Italian, Russian,
Simplified Chinese, Japanese, Korean, Portuguese,
Traditional Chinese, Dutch, Czech, Swedish, Finnish,
Turkish, Thai, Vietnamese

Warranty

5-year warranty, see axis.com/warranty