

## AXIS P3265-LVE-3 License Plate Verifier Kit

Easy, cost-effective vehicle access control

AXIS P3265-LVE-3 includes a purpose-tuned 2 MP 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.

- > **AXIS License Plate Verifier preinstalled**
- > **Purpose-tuned for license plate recognition**
- > **Support for allow- and blocklist**
- > **Discreet, vandal- and weather-resistant**
- > **Built-in support for Axis Network Door Controllers**



# 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.

## 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](https://axis.com)

### Languages

English

# AXIS P3265-LVE-3 License Plate Verifier Kit

## Camera

### Image sensor

1/2.8" progressive scan RGB CMOS

### Lens

Varifocal, 3.4–8.9 mm, F1.8  
Horizontal field of view: 100°–36°  
Vertical field of view: 53°–20°  
Minimum focus distance: 0.5 m (1.6 ft)  
IR corrected, remote zoom and focus, P-Iris control

### Day and night

Automatic IR-cut filter  
Hybrid IR filter

### Minimum illumination

With Lightfinder 2.0:  
Color: 0.1 lux at 50 IRE, F1.8/1.6  
B/W: 0.02 lux at 50 IRE, F1.8/1.6  
0 lux with IR illumination on

### Shutter speed

1/66500 s to 2 s

### Camera adjustment

Pan  $\pm 180^\circ$ , tilt  $+75^\circ$ , rotation  $\pm 175^\circ$

## System on chip (SoC)

### Model

ARTPEC-8

### Memory

1024 MB RAM, 8192 MB Flash

### Compute capabilities

Deep learning processing unit (DLPU)

## Video

### 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

### Resolution

16:9: 1920x1080 to 160x90  
16:10: 1440x900 to 160x100  
4:3: 1440x1080 to 160x120

### Frame rate

With WDR: Up to 25/30 fps (60/50 Hz) in all resolutions  
Without WDR: Up to 50/60 fps (60/50 Hz) in all resolutions

### Video streaming

Up to 20 unique and configurable video streams<sup>1</sup>  
Axis Zipstream technology in H.264 and H.265  
Controllable frame rate and bandwidth  
VBR/ABR/MBR H.264/H.265  
Low latency mode  
Video streaming indicator

### Signal-to-noise ratio

>55 dB

### WDR

Forensic WDR: Up to 120 dB depending on scene  
WDR – forensic capture

### Multi-view streaming

2 individually cropped out view areas

### Noise reduction

Spatial filter (2D noise reduction)  
Temporal filter (3D noise reduction)

### Image settings

Saturation, contrast, brightness, sharpness, white balance, day/night threshold, local contrast, tone mapping, exposure mode, exposure zones, defogging, compression, rotation: 0°, 180° including mirroring, text and image overlay, dynamic text and image overlay, privacy masks, polygon privacy mask, target aperture

### Image processing

Axis Zipstream, Lightfinder 2.0, OptimizedIR

### Pan/Tilt/Zoom

Digital PTZ, preset positions

1. We recommend a maximum of 3 unique video streams per camera or channel, for optimized user experience, network bandwidth, and storage utilization. A unique video stream can be served to many video clients in the network using multicast or unicast transport method via built-in stream reuse functionality.

## Audio

### Audio features

AGC automatic gain control  
Speaker pairing

### Audio streaming

Configurable duplex:  
Two-way (half duplex, full duplex)

### Audio input

10-band graphic equalizer  
Input for external unbalanced microphone, optional 5 V microphone power  
Digital input, optional 12 V ring power  
Unbalanced line input

### Audio output

Output via network speaker pairing  
Line output

### Audio 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

## Network

### Network protocols

IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS<sup>2</sup>, HTTP/2, TLS<sup>2</sup>, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (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, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)

## System integration

### Application Programming Interface

Open API for software integration, including VAPIX®, metadata, and AXIS Camera Application Platform (ACAP); specifications at [axis.com/developer-community](https://axis.com/developer-community).

One-click cloud connection

ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and ONVIF® Profile T, specifications at [onvif.org](https://onvif.org)  
Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX.

### Video management systems

Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station 5, and video management software from Axis' partners available at [axis.com/vms](https://axis.com/vms).

### Onscreen controls

Day/night shift  
Defogging  
Wide dynamic range  
Video streaming indicator  
IR illumination  
Heater

### Edge-to-edge

Radar pairing  
Speaker pairing

### Event conditions

Application  
Audio: audio clip playing  
Device status: above operating temperature, above or below operating temperature, below operating temperature, within operating temperature, IP address removed, new IP address, network lost, system ready, ring power overcurrent protection, live stream active  
Digital audio input status  
Edge storage: recording ongoing, storage disruption, storage health issues detected  
I/O: digital input, manual trigger, virtual input, digital output  
MQTT: stateless  
Scheduled and recurring: schedule  
Video: average bitrate degradation, day-night mode, tampering

### Event actions

Audio clips: play, stop  
Day-night mode  
Defog  
I/O: toggle I/O once, toggle I/O while the rule is active  
Illumination: use lights, use lights while the rule is active  
MQTT: publish  
Notification: HTTP, HTTPS, TCP and email  
Overlay text  
Recordings: SD card and network share  
SNMP traps: send, send while the rule is active  
Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email  
WDR mode

### Built-in installation aids

Pixel counter, remote zoom and focus, straighten image, level grid

2. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([openssl.org](https://openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).

## Analytics

### Applications

#### Included

AXIS License Plate Verifier, AXIS Image Health Analytics  
AXIS Live Privacy Shield<sup>3</sup>

AXIS Video Motion Detection, active tampering alarm,  
audio detection

#### Supported

Support for AXIS Camera Application Platform enabling  
installation of third-party applications, see [axis.com/acap](https://axis.com/acap)

### AXIS Image Health Analytics

#### Detection settings:

Tampering: blocked image, redirected image

Image degradation: blurred image, underexposed image

Other features: sensitivity, validation period

### AXIS Scene Metadata

Object classes: humans, faces, vehicles (types: cars,  
buses, trucks, bikes), license plates

Object attributes: vehicle color, upper/lower clothing  
color, confidence, position

## Approvals

### Product markings

CSA, UL/cUL, BIS, UKCA, CE, KC, EAC, VCCI, RCM

### Supply chain

TAA compliant

### EMC

CISPR 35, CISPR 32 Class A, EN 55035,  
EN 55032 Class A, EN 50121-4, EN 61000-3-2,  
EN 61000-3-3, 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:** KS C 9835, KS C 9832 Class A

**USA:** FCC Part 15 Subpart B Class A

**Railway:** IEC 62236-4

### Safety

CAN/CSA C22.2 No. 62368-1 ed. 3,  
IEC/EN/UL 62368-1 ed. 3, IEC/EN 62471 risk group  
exempt, IS 13252

### 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, IEC/EN 62262 IK10, NEMA 250  
Type 4X, NEMA TS 2 (2.2.7-2.2.9)

### Network

NIST SP500-267

### Cybersecurity

ETSI EN 303 645, BSI IT Security Label, FIPS 140

## 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

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digest authentication and OAuth 2.0 RFC6749 OpenID  
Authorization Code Flow for centralized ADFS account  
management, password protection, Axis Cryptographic  
Module (FIPS 140-2 level 1)

**Hardware:** Axis Edge Vault cybersecurity platform  
Secure keystore: secure element (CC EAL 6+, FIPS 140-3  
Level 3), system-on-chip security (TEE)

Axis device ID, signed video, secure boot, encrypted  
filesystem (AES-XTS-Plain64 256bit)

### Network security

IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2)<sup>4</sup>,  
IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR,  
HTTPS/HSTS<sup>4</sup>, TLS v1.2/v1.3<sup>4</sup>, Network Time Security  
(NTS), X.509 Certificate PKI, host-based firewall

### 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](https://axis.com/support/cybersecurity/resources)

To read more about Axis cybersecurity support, go to  
[axis.com/cybersecurity](https://axis.com/cybersecurity)

3. Available for download

4. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([openssl.org](https://openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).

## General

### Casing

IP66-, NEMA 4X- and IK10-rated  
Polycarbonate hard-coated dome  
Polycarbonate (PC) casing and weathershield  
Color: white NCS S 1002-B  
For repainting instructions, go to the product's support page. For information about the impact on warranty, go to [axis.com/warranty-implication-when-repainting](https://axis.com/warranty-implication-when-repainting).

### Mounting

Mounting bracket with junction box holes (double-gang, single-gang, 4" square, and 4" octagon)  
1/4"-20 UNC tripod screw thread

### Power

Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3  
Typical 4.8 W, max 10.7 W

### Connectors

Network: RJ45 10BASE-T/100BASE-TX PoE  
I/O: 4-pin 2.5 mm terminal block for 1 digital input and 1 output (12 V DC output, max. load 25 mA)  
Audio: 4-pin 2.5 mm terminal block for audio in and out

### IR illumination

Optimized IR with power-efficient, long-life 850 nm IR LEDs  
Range of reach 40 m (130 ft) or more depending on the scene

### 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](https://axis.com)

### Operating conditions

-40 °C to 50 °C (-40 °F to 122 °F)  
Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F)  
Start-up temperature: -30 °C to 50 °C (-22 °F to 122 °F)  
Humidity 10–100% RH (non-condensing)

### Storage conditions

-40 °C to 65 °C (-40 °F to 149 °F)  
Humidity 5–95% RH (non-condensing)

### Dimensions

Without weathershield:  
Height: 104 mm (4.09 in)  
ø 149 mm (5.87 in)

### Weight

With weathershield:  
800 g (1.8 lb)

### Box content

Camera, weathershield, installation guide, drill template, RESISTORX® TR20 screw bit, terminal block connector, connector guard, cable gaskets, Windows® decoder 1-user license, owner authentication key

### Optional accessories

AXIS TP3201-E Recessed Mount, AXIS TP3103-E Pendant Kit, AXIS T94K01D Pendant Kit, AXIS T8355 Digital Microphone 3.5 mm, AXIS Surveillance Cards  
For more accessories, go to [axis.com/products/axis-p3265-lve-3/support#compatible-products](https://axis.com/products/axis-p3265-lve-3/support#compatible-products)

### System tools

AXIS Site Designer, AXIS Device Manager, product selector, accessory selector, lens calculator  
Available at [axis.com](https://axis.com)

### Languages

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

### Warranty

5-year warranty, see [axis.com/warranty](https://axis.com/warranty)

### Part numbers

Available at [axis.com/products/axis-p3265-lve-3/how-to-buy](https://axis.com/products/axis-p3265-lve-3/how-to-buy)

## Sustainability

### Substance control

PVC free in accordance with JEDEC/ECA Standard JS709  
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](https://echa.europa.eu)

## **Materials**

Screened for conflict minerals in accordance with OECD guidelines

To read more about sustainability at Axis, go to [axis.com/about-axis/sustainability](https://axis.com/about-axis/sustainability)

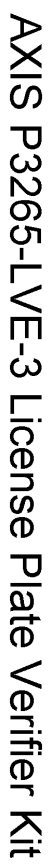
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## **Environmental responsibility**

[axis.com/environmental-responsibility](https://axis.com/environmental-responsibility)

Axis Communications is a signatory of the UN Global Compact, read more at [unglobalcompact.org](https://unglobalcompact.org)

[www.axis.com](http://www.axis.com)





## Highlighted capabilities

### Axis Edge Vault

Axis Edge Vault is the hardware-based cybersecurity platform that safeguards the Axis device. It forms the foundation that all secure operations depend on and offer features to protect the device's identity, safeguard its integrity and protect sensitive information from unauthorized access. For instance, **secure boot** ensures that a device can boot only with **signed OS**, which prevents physical supply chain tampering. With signed OS, the device is also able to validate new device software before accepting to install it. And the **secure keystore** is the critical building-block for protecting cryptographic information used for secure communication (IEEE 802.1X, HTTPS, Axis device ID, access control keys etc.) against malicious extraction in the event of a security breach. The secure keystore and secure connections are provided through a Common Criteria or FIPS 140 certified hardware-based cryptographic computing module.

Furthermore, signed video ensures that video evidence can be verified as untampered. Each camera uses its unique video signing key, which is securely stored in the secure keystore, to add a signature into the video stream allowing video to be traced back to the Axis camera from where it originated.

To read more about Axis Edge Vault, go to [axis.com/solutions/edge-vault](https://axis.com/solutions/edge-vault).

### Lightfinder

The Axis Lightfinder technology delivers high-resolution, full-color video with a minimum of motion blur even in near darkness. Because it strips away noise, Lightfinder makes dark areas in a scene visible and captures details in very low light. Cameras with Lightfinder discern color in low light better than the human eye. In surveillance, color may be the critical factor to identify a person, an object, or a vehicle.

### OptimizedIR

Axis OptimizedIR provides a unique and powerful combination of camera intelligence and sophisticated LED technology, resulting in our most advanced camera-integrated IR solutions for complete darkness. In our pan-tilt-zoom (PTZ) cameras with OptimizedIR, the IR beam automatically adapts and becomes wider or narrower as the camera zooms in and out to make sure that the entire field of view is always evenly illuminated.

### Zipstream

The Axis Zipstream technology preserves all the important forensic in the video stream while lowering bandwidth and storage requirements by an average of 50%. Zipstream also includes three intelligent algorithms, which ensure that relevant forensic

information is identified, recorded, and sent in full resolution and frame rate.

For more information, see [axis.com/glossary](https://axis.com/glossary)