

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-, 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 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 streams¹
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

Features

AGC automatic gain control
Speaker pairing

Streaming

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

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

Output

Output via network speaker pairing
Line output

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, HTTPS², HTTP/2, TLS², 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)
IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS², HTTP/2, TLS², QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP[®], SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, PTP, 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.

One-click cloud connection

ONVIF[®] Profile G, ONVIF[®] Profile M, ONVIF[®] Profile S, and ONVIF[®] Profile T, specifications 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.

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.

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

2. 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).

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

Analytics

Applications

Included

AXIS License Plate Verifier, AXIS Image Health Analytics
AXIS Live Privacy Shield³
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

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

Software: Signed OS, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 Client Credential Flow/OpenID Authorization Code Flow for centralized ADFS account management, password protection

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, Axis Cryptographic Module (FIPS 140-2 level 1)

Software: Signed OS, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 Client Credential Flow/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)⁴,
IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR,
HTTPS/HSTS⁴, TLS v1.2/v1.3⁴, 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

To read more about Axis cybersecurity support, go to axis.com/cybersecurity

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.

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

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

System tools

AXIS Site Designer, AXIS Device Manager, product selector, accessory selector, lens calculator

Available at 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

4. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).

Warranty

5-year warranty, see axis.com/warranty

Part numbers

Available at 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

Materials

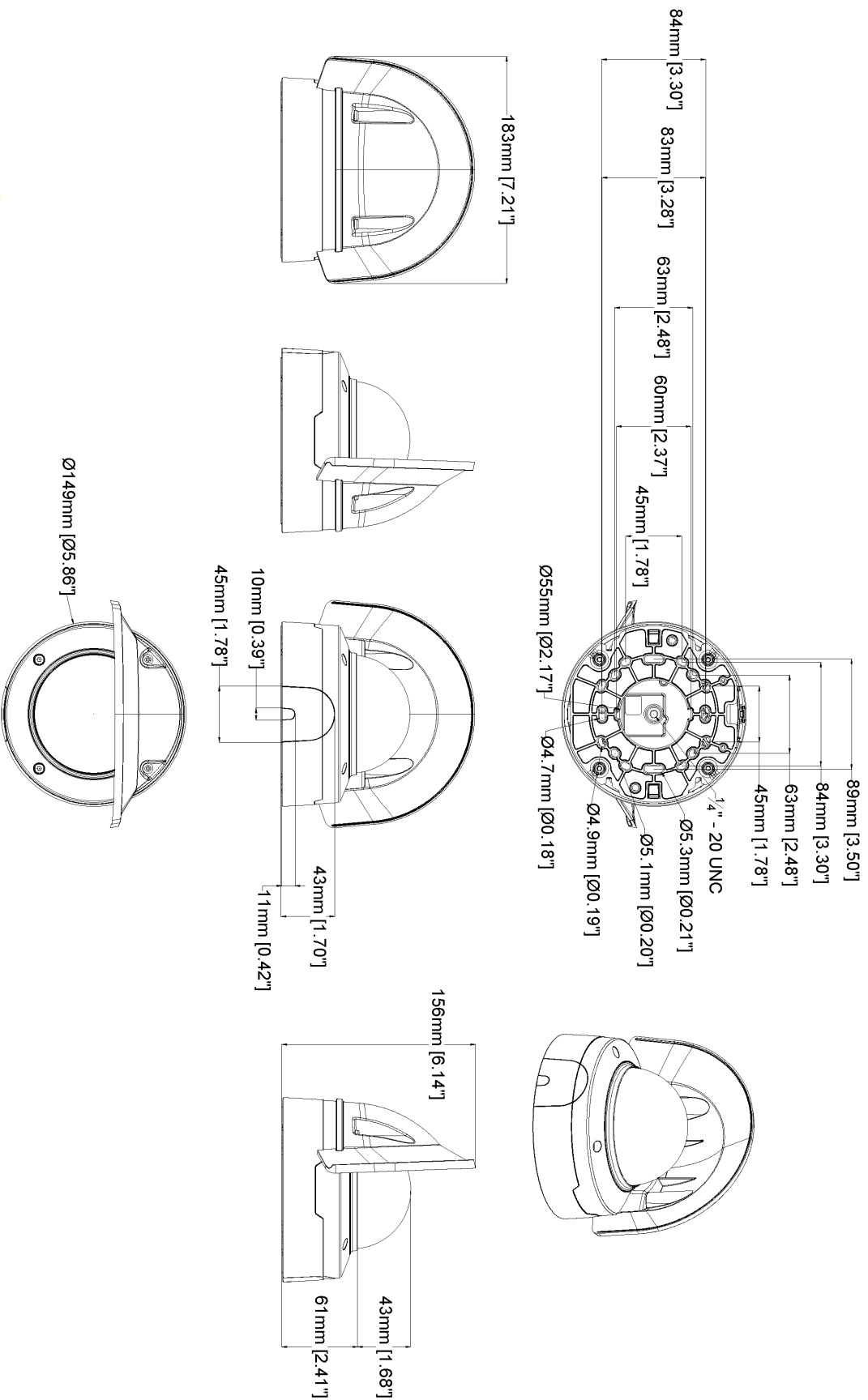
Screened for conflict minerals in accordance with OECD
guidelines

To read more about sustainability at Axis, go to axis.com/about-axis/sustainability

Environmental responsibility

axis.com/environmental-responsibility

Axis Communications is a signatory of the UN Global
Compact, read more at unglobalcompact.org



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.

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