

## AXIS P3268-LVE Dome Camera

Outdoor 8 MP dome with IR and deep learning

Featuring Lightfinder 2.0, Forensic WDR, and OptimizedIR, AXIS P3268-LVE delivers excellent image quality under any light conditions. Based on the latest Axis system-on-chip (SoC), it includes a deep learning processing unit enabling advanced features and powerful analytics based on deep learning on the edge. Thanks to AXIS Object Analytics, it offers detection and classification of humans, vehicles, and types of vehicles—all tailored to your specific needs. Featuring audio and I/O connectivity, you can integrate equipment and extend the value of your system. Furthermore, this robust, IK10-rated, outdoor-ready camera includes built-in cybersecurity to help prevent unauthorized access and safeguard your system.

- > [Excellent image quality in brilliant 4K](#)
- > [Lightfinder 2.0, Forensic WDR, and OptimizedIR](#)
- > [Analytics with deep learning](#)
- > [Audio and I/O connectivity](#)
- > [Built-in cybersecurity features](#)



# AXIS P3268-LVE Dome Camera

## Camera

### Image sensor

1/1.8" progressive scan RGB CMOS

### Lens

Varifocal, 4.3–8.6 mm, F1.5  
Horizontal field of view: 100°–53°  
Vertical field of view: 54°–30°  
Minimum focus distance: 50 cm (20 in)  
IR corrected, remote zoom and focus, P-Iris control

### Day and night

Automatically removable infrared-cut filter

### Minimum illumination

With Forensic WDR and Lightfinder 2.0:  
Color: 0.14 lux at 50 IRE, F1.5  
B/W: 0 lux at 50 IRE, F1.5

### Shutter speed

1/8500 s to 1/5 s

### Camera adjustment

Pan  $\pm 190^\circ$ , tilt -10 to  $+80^\circ$ , rotation  $\pm 190^\circ$

## System on chip (SoC)

### Model

ARTPEC-8

### Memory

2048 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

3840x2160 to 160x90

### Frame rate

25/30 fps with power line frequency 50/60 Hz

### Video streaming

Multiple, individually configurable streams in H.264, H.265, and Motion JPEG  
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

### Multi-view streaming

Up to 2 individually cropped out view areas in full frame rate

### Image settings

Saturation, contrast, brightness, sharpness, Forensic WDR: up to 120 dB depending on scene, white balance, day/night threshold, local contrast, tone mapping, exposure mode, exposure zones, defogging, barrel distortion correction, compression, rotation: 0°, 90°, 180°, 270° including Corridor Format, mirroring, dynamic text and image overlay, privacy masks, polygon privacy mask

### Pan/Tilt/Zoom

Digital PTZ, preset positions

## Audio

### Audio streaming

Audio in, simplex, two-way audio through edge-to-edge technology

### 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  
Configurable bit rate

### Audio input/output

External microphone input, line input, digital input with ring power, automatic gain control, network speaker pairing

## Network

### Network protocols

IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS<sup>1</sup>, HTTP/2, TLS<sup>1</sup>, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP<sup>®</sup>, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTCP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, DHCPv4/v6, ARP, SSH, SIP, 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<sup>®</sup> and AXIS Camera Application Platform; specifications at [axis.com](http://axis.com)

One-click cloud connection

ONVIF<sup>®</sup> Profile G, ONVIF<sup>®</sup> Profile M, ONVIF<sup>®</sup> Profile S, and ONVIF<sup>®</sup> Profile T, specification at [onvif.org](http://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 software

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](http://axis.com/vms).

### Onscreen controls

Day/night shift

Defogging

Wide dynamic range

Video streaming indicator

IR illumination

### Event conditions

Analytics, external input, supervised external input, virtual inputs through API

Call: state, state change

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, casing open

Digital audio: digital signal contains Axis metadata, digital signal has invalid sample rate, digital signal missing, digital signal okay

Edge storage: recording ongoing, storage disruption, storage health issues detected

I/O: digital input, manual trigger, virtual input

MQTT: subscribe

Scheduled and recurring: schedule

Video: average bitrate degradation, day-night mode, live stream open, tampering

### Event actions

Overlay text, external output activation, zoom preset, day/night mode, flash status LED, use lights, set defog mode, set WDR mode

Calls: end SIP call, make SIP call, answer call

I/O: toggle I/O once, toggle I/O while the rule is active

MQTT: publish

Notification: email, HTTP, HTTPS, TCP, and SNMP trap

Pre- and post-alarm video or image buffering for recording or upload

Record video: SD card and network share

Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share, and email

### Built-in installation aids

Remote zoom and focus, straighten image, pixel counter, level grid

## Analytics

### Applications

#### Included

AXIS Object Analytics, AXIS Scene Metadata,

AXIS Image Health Analytics

AXIS Live Privacy Shield<sup>2</sup>, AXIS Video Motion Detection, active tampering alarm, audio detection

#### Supported

AXIS Perimeter Defender, AXIS License Plate Verifier

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

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

2. Available for download

## AXIS Object Analytics

**Object classes:** humans, vehicles (types: cars, buses, trucks, bikes, other)

**Scenarios:** line crossing, object in area, time in area, crossline counting, occupancy in area, motion in area, motion line crossing

Up to 10 scenarios

**Other features:** triggered objects visualized with color-coded bounding boxes, polygon include/exclude areas, perspective configuration, ONVIF motion alarm event

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## AXIS Image Health Analytics

**Detection settings:**

Tampering: blocked image, redirected image

Image degradation: blurred image, underexposed image

**Other features:** sensitivity, validation period

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## AXIS Scene Metadata

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

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

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## Approvals

### EMC

EN 50121-4, EN 55032 Class A, EN 55035, 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:** KC KN32 Class A, KC KN35

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

**Railway:** IEC 62236-4

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### Safety

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

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### 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)

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### Network

NIST SP500-267

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### Cybersecurity

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

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## 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, Axis Cryptographic Module (FIPS 140-2 level 1), AES-XTS-Plain64 256bit SD card encryption

**Hardware:** Axis Edge Vault cybersecurity platform Secure element (CC EAL 6+), system-on-chip security (TEE), Axis device ID, secure keystore, signed video, secure boot, encrypted filesystem (AES-XTS-Plain64 256bit)

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### Network security

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

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### 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)

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## General

### Casing

IP66-, NEMA 4X- and IK10-rated

Polycarbonate hard coated dome

Polycarbonate 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).

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### Mounting

Mounting bracket with junction box holes (double-gang, single-gang, and 4" octagon) and for wall or ceiling mount

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### Power

Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3

Typical 5.5 W, max 11.2 W

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3. 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@cryptosoft.com](mailto:ey@cryptosoft.com)).

## Connectors

Network: 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: 3.5 mm mic/line in

## 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://www.axis.com)

## Operating conditions

Temperature: -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 (condensing)

## Storage conditions

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

## Dimensions

Without weathershield:  
Height: 107 mm (4.21 in)  
Ø 149 mm (5.87 in)

## Weight

With weathershield:  
900 g (2.0 lb)

## Box content

Camera, installation guide, Windows® decoder 1-user license, drill template, RESISTORX® T20 screw bit, terminal block connectors, cable gaskets, connector guard, weathershield

## Optional accessories

AXIS TP3201-E Recessed Mount, AXIS TP3103-E Pendant Kit, AXIS T8355 Digital Microphone 3.5 mm, AXIS TP3824-E Dome Clear/Smoked, AXIS TP3821-E Casing Black/White, AXIS Surveillance Cards  
For more accessories, see [axis.com](https://www.axis.com)

## Languages

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://www.axis.com/warranty)

## Sustainability

### Substance control

PVC free, BFR/CFR 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

Renewable carbon-based plastic content: 6.4% (recycled)  
Screened for conflict minerals in accordance with OECD guidelines  
To read more about sustainability at Axis, go to [axis.com/about-axis/sustainability](https://www.axis.com/about-axis/sustainability)

### Environmental responsibility

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