

# 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

|  |  |                                   |  |
|--|--|-----------------------------------|--|
| <b>Camera</b>                            |  | <b>Onscreen controls</b>          | Day/night shift<br>Defogging<br>Wide dynamic range<br>Video streaming indicator<br>IR illumination   |
| <b>Image sensor</b>                      | 1/1.8" progressive scan RGB CMOS   | <b>Event conditions</b>           | Analytics, external input, supervised external input, virtual inputs through API<br>Call: state, state change<br>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<br>Digital audio: digital signal contains Axis metadata, digital signal has invalid sample rate, digital signal missing, digital signal okay<br>Edge storage: recording ongoing, storage disruption, storage health issues detected<br>I/O: digital input, manual trigger, virtual input<br>MQTT: subscribe<br>Scheduled and recurring: schedule<br>Video: average bitrate degradation, day-night mode, live stream open, tampering |
| <b>Lens</b>                              | Varifocal, 4.3–8.6 mm, F1.5<br>Horizontal field of view: 100°–53°<br>Vertical field of view: 54°–30°<br>Minimum focus distance: 50 cm (20 in)<br>IR corrected, remote zoom and focus, P-Iris control   | <b>Event actions</b>              | Overlay text, external output activation, zoom preset, day/night mode, flash status LED, use lights, set defog mode, set WDR mode<br>Calls: end SIP call, make SIP call, answer call<br>I/O: toggle I/O once, toggle I/O while the rule is active<br>MQTT: publish<br>Notification: email, HTTP, HTTPS, TCP, and SNMP trap<br>Pre- and post-alarm video or image buffering for recording or upload<br>Record video: SD card and network share<br>Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share, and email   |
| <b>Day and night</b>                     | Automatically removable infrared-cut filter  | <b>Built-in installation aids</b> | Remote zoom and focus, straighten image, pixel counter, level grid   |
| <b>Minimum illumination</b>              | With Forensic WDR and Lightfinder 2.0:<br>Color: 0.14 lux at 50 IRE, F1.5<br>B/W: 0 lux at 50 IRE, F1.5  | <b>Analytics</b>                  |  |
| <b>Shutter speed</b>                     | 1/8500 s to 1/5 s  | <b>AXIS Object Analytics</b>      | Object classes: humans, vehicles (types: cars, buses, trucks, bikes)<br>Features: line crossing, object in area, crossline counting <sup>BETA</sup> , occupancy in area <sup>BETA</sup> , time in area <sup>BETA</sup><br>Up to 10 scenarios<br>Metadata visualized with color-coded bounding boxes<br>Polygon include/exclude areas<br>Perspective configuration<br>ONVIF Motion Alarm event  |
| <b>Camera angle adjustment</b>           | Pan ±190°, tilt -10 to +80°, rotation ±190°  | <b>Metadata</b>                   | Object data: Classes: humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates<br>Confidence, position<br>Event data: Producer reference, scenarios, trigger conditions   |
| <b>System on chip (SoC)</b>              |  | <b>Applications</b>               | Included<br>AXIS Object Analytics<br>AXIS Video Motion Detection, active tampering alarm, audio detection<br>Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>  |
| <b>Model</b>                             | ARTPEC-8   | <b>Cybersecurity</b>              |  |
| <b>Memory</b>                            | 2048 MB RAM, 8192 MB Flash   | <b>Edge security</b>              | Software: Signed firmware, brute force delay protection, digest authentication, password protection, AES-XTS-Plain64 256bit SD card encryption<br>Hardware: Axis Edge Vault cybersecurity platform<br>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)   |
| <b>Compute capabilities</b>              | Deep learning processing unit (DLPU)   | <b>Network security</b>           | IEEE 802.1X (EAP-TLS) <sup>a</sup> , IEEE 802.1AR, HTTPS/HSTS <sup>a</sup> , TLS v1.2/v1.3 <sup>a</sup> , Network Time Security (NTS), X.509 Certificate PKI, IP address filtering   |
| <b>Video</b>                             |  | <b>Documentation</b>              | AXIS OS Hardening Guide<br>Axis Vulnerability Management Policy<br>Axis Security Development Model<br>AXIS OS Software Bill of Material (SBOM)<br>To download documents, go to <a href="http://axis.com/support/cybersecurity/resources">axis.com/support/cybersecurity/resources</a>  |
| <b>Video compression</b>                 | H.264 (MPEG-4 Part 10/AVC) Baseline, Main, and High Profiles<br>H.265 (MPEG-H Part 2/HEVC) Main Profile<br>Motion JPEG   |                                   |  |
| <b>Resolution</b>                        | 3840x2160 to 160x90  |                                   |  |
| <b>Frame rate</b>                        | 25/30 fps with power line frequency 50/60 Hz   |                                   |  |
| <b>Video streaming</b>                   | Multiple, individually configurable streams in H.264, H.265, and Motion JPEG<br>Axis Zipstream technology in H.264 and H.265<br>Controllable frame rate and bandwidth<br>VBR/ABR/MBR H.264/H.265<br>Low latency mode<br>Video streaming indicator  |                                   |  |
| <b>Multi-view streaming</b>              | Up to 2 individually cropped out view areas in full frame rate   |                                   |  |
| <b>Image settings</b>                    | 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   |                                   |  |
| <b>Pan/Tilt/Zoom</b>                     | Digital PTZ, preset positions  |                                   |  |
| <b>Audio</b>                             |  |                                   |  |
| <b>Audio streaming</b>                   | Audio in, simplex, two-way audio via edge-to-edge technology   |                                   |  |
| <b>Audio encoding</b>                    | 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<br>Configurable bit rate  |                                   |  |
| <b>Audio input/output</b>                | External microphone input, line input, digital input with ring power, automatic gain control, network speaker pairing  |                                   |  |
| <b>Network</b>                           |  |                                   |  |
| <b>Security</b>                          | IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>a</sup> network access control, user access log, centralized certificate management  |                                   |  |
| <b>Network protocols</b>                 | IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS <sup>a</sup> , HTTP/2, TLS <sup>a</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)   |                                   |  |
| <b>System integration</b>                |  |                                   |  |
| <b>Application Programming Interface</b> | Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a><br>One-click cloud connection<br>ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile M, ONVIF <sup>®</sup> Profile S, and ONVIF <sup>®</sup> Profile T, specification at <a href="http://onvif.org">onvif.org</a><br>Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX. |                                   |  |

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

| General                     |   |
|-----------------------------|---|
| <b>Casing</b>               | IP66-, NEMA 4X- and IK10-rated<br>Polycarbonate hard coated dome<br>Polycarbonate casing and weathershield<br>Color: white NCS S 1002-B<br>For repainting instructions, go to the product's support page. For information about the impact on warranty, go to <a href="https://axis.com/warranty-implication-when-repainting">axis.com/warranty-implication-when-repainting</a> . |
| <b>Mounting</b>             | Mounting bracket with junction box holes (double-gang, single-gang, and 4" octagon) and for wall or ceiling mount   |
| <b>Sustainability</b>       | PVC free, BFR/CFR free<br>6.4% bioplastics  |
| <b>Power</b>                | Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3<br>Typical 5.5 W, max 11.2 W  |
| <b>Connectors</b>           | RJ45 10BASE-T/100BASE-TX PoE<br>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)<br>Audio: 3.5 mm mic/line in  |
| <b>IR illumination</b>      | Optimized IR with power-efficient, long-life 850 nm IR LEDs<br>Range of reach 40 m (130 ft) or more depending on the scene  |
| <b>Storage</b>              | Support for microSD/microSDHC/microSDXC card<br>Support for SD card encryption (AES-XTS-Plain64 256bit)<br>Recording to network-attached storage (NAS)<br>For SD card and NAS recommendations see <a href="https://axis.com">axis.com</a>   |
| <b>Operating conditions</b> | -40 °C to 50 °C (-40 °F to 122 °F)<br>Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F)<br>Start-up temperature: -30 °C to 50 °C (-22 °F to 122 °F)<br>Humidity 10–100% RH (condensing)  |
| <b>Storage conditions</b>   | -40 °C to 65 °C (-40 °F to 149 °F)<br>Humidity 5–95% RH (non-condensing)  |
| <b>Approvals</b>            | EMC<br>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,  |

FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), IEC 62236-4, KC KN32 Class A, KC KN35, RCM AS/NZS CISPR 32 Class A, VCCI Class A  
**Safety**  
 CAN/CSA C22.2 No. 62368-1 ed. 3, IEC/EN/UL 62368-1 ed. 3, IEC/EN 62471, 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 TS2 (2.2.7-2.2.9)  
**Network**  
 NIST SP500-267

|                                  |  |
|----------------------------------|--|
| <b>Dimensions</b>                | Without weathershield:<br>Height: 107 mm (4.21 in)<br>ø 149 mm (5.87 in)   |
| <b>Weight</b>                    | With weathershield:<br>900 g (2.0 lb)  |
| <b>Included accessories</b>      | Installation guide, Windows® decoder 1-user license, drill template, RESISTORX® T20 screw bit, terminal block connectors, cable gaskets, connector guard, weathershield  |
| <b>Optional accessories</b>      | 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<br>For more accessories, see <a href="https://axis.com">axis.com</a> |
| <b>Video management software</b> | AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at <a href="https://axis.com/vms">axis.com/vms</a>   |
| <b>Languages</b>                 | English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese   |
| <b>Warranty</b>                  | 5-year warranty, see <a href="https://axis.com/warranty">axis.com/warranty</a>   |

a. 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)).