

AXIS P3287-LV Dome Camera

Indoor 5 MP AI-powered dome with audio analytics

This AI-powered camera delivers excellent image quality in 5 MP under any light conditions. Built on ARTPEC-9, it offers accelerated performance to run impressive analytics applications on the edge. For instance, AXIS Object Analytics can detect, classify, track, and count humans. In addition, AXIS Audio Analytics will notify you whenever something relevant happens, even when there's no visual indication. This robust, IK10 and NEMA 4X-rated camera is both vandal- and impact-resistant. Furthermore, Axis Edge Vault, a hardware-based cybersecurity platform, safeguards the device and protects sensitive information from unauthorized access.

- > **Excellent image quality in 5 MP**
- > **Next-generation AI-powered analytics**
- > **Lightfinder 2.0 and Forensic WDR**
- > **AXIS Audio Analytics preinstalled**
- > **Built-in cybersecurity with Axis Edge Vault**



AXIS P3287-LV Dome Camera

Camera

Image sensor

1/2.8" progressive scan RGB CMOS
Pixel size 2.0 µm

Lens

Varifocal, 3.0–8.5 mm, F1.38–2.58
Horizontal field of view: 104°–34°
Vertical field of view: 76°–26°
Minimum focus distance: 1 m (3.28 ft)
IR corrected, remote zoom and focus, P-Iris control

Day and night

Automatic IR-cut filter

Minimum illumination

Color: 0.1 lux at 50 IRE, F1.38
B/W: 0.03 lux at 50 IRE, F1.38
0 lux with IR illumination on

Shutter speed

1/30500 s to 2 s

Camera adjustment

Pan ±190°, tilt -45 to +80°, rotation ±95°

System on chip (SoC)

Model

ARTPEC-9

Memory

2 GB RAM, 8 GB Flash

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, 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

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.

Onscreen controls

Autofocus
Day/night shift
Defog
Wide dynamic range
Video streaming indicator
IR illumination
Privacy masks
Media clip
Heater

Edge-to-edge

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, tailgating detection, PPE monitoring^{BETA}, motion in area, motion line crossing

Up to 10 scenarios

Other features: triggered objects visualized with trajectories, color-coded bounding boxes and tables

Polygon include/exclude areas

Perspective configuration

ONVIF Motion Alarm event

AXIS Image Health Analytics

Detection settings:

Tampering: blocked image, redirected image

Image degradation: blurred image, underexposed image

Other features: sensitivity, validation period

AXIS Audio Analytics

Features: Sound pressure level, adaptive audio detection, audio classification

Audio classes: scream, shout, glass break, speech

Event metadata: audio detections, classifications

AXIS Scene Metadata

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

General

Casing

IP54- and IK10-rated
Polycarbonate hard-coated dome
Plastic casing
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. This product can be repainted.

Mounting

Mounting bracket with junction box holes (double-gang, single-gang, and 4" octagon)

Power

Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3
Max 12.6 W, typical (heater off, IR off) 4.7 W
Features: power meter

Environmental sensors

Environmental sensors through portcast technology accessories. For more information, see *Optional accessories*.

I/O functionality

I/O: Terminal block for one configurable supervised input/digital output (12 V DC output, max load 25 mA)

Connectors

Network: RJ45 10BASE-T/100BASE-TX PoE
I/O: 4-pin 2.5 mm terminal block for 1 alarm input and 1 output

Sensor

Acoustic sensor

IR illumination

OptimizedIR with power-efficient, long-life 850

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 2015/863, and standard EN IEC 63000:2018

REACH in accordance with (EC) No 1907/2006. For SCIP UUID, see echa.europa.eu

Materials

Renewable carbon-based plastic content: 41% (bio-based: 39%, carbon capture based: 2%)

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

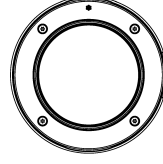
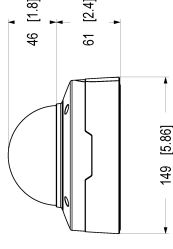
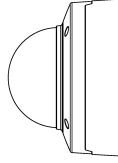
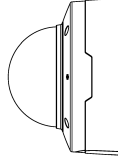
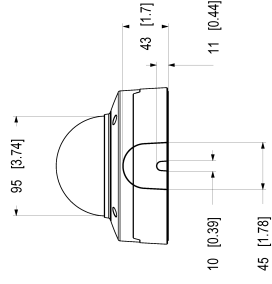
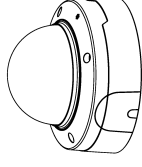
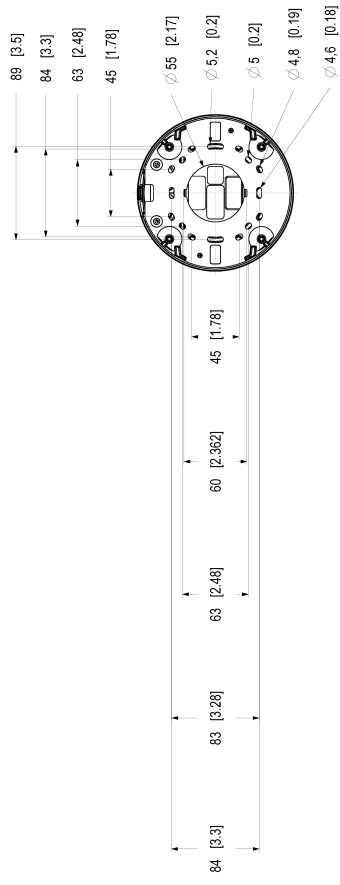
axis.com/environmental-responsibility

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

Detect, Observe, Recognize, Identify (DORI)

	DORI definition	Distance (wide)	Distance (tele)
Detect	25 px/m (8 px/ft)	60 m (197 ft)	170 m (558 ft)
Observe	63 px/m (19 px/ft)	24 m (79 ft)	67 m (220 ft)
Recognize	125 px/m (38 px/ft)	12 m (39 ft)	34 m (112 ft)
Identify	250 px/m (76 px/ft)	6 m (20 ft)	17 m (56 ft)

The DORI values are calculated using pixel densities for different use cases as recommended by the EN-62676-4 standard. The calculations use the center of the image as the reference point and consider lens distortion. The possibility to recognize or identify a person or object depends on factors such as object motion, video compression, lighting conditions, and camera focus. Use margins when planning. The pixel density varies across the image, and the calculated values can differ from the distances in the real world.



Highlighted capabilities

AXIS Audio Analytics

AXIS Audio Analytics uses adaptive audio detection to generate alarms on sudden increases in sound volume. With AI-based classifiers, it can detect screaming and shouting. You can also get extra confirmation by combining AXIS Audio Analytics with video analytics. This smart application only transmits metadata, ensuring privacy is safeguarded. A core feature of AXIS OS, AXIS Audio Analytics comes preinstalled at no extra cost.

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.

AXIS Live Privacy Shield

Remotely monitor activities both indoors and outdoors while safeguarding privacy in real-time.