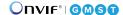# AXIS P1467-LE Bullet Camera

Fully featured, all-around 5 MP surveillance

Based on ARTPEC-8, AXIS P1467-LE delivers excellent image quality in 5 MP. It includes a deep learning processing unit enabling advanced features and powerful analytics based on deep learning on the edge. With AXIS Object Analytics preinstalled, it offers detection and classification of humans, vehicles, and types of vehicles. This IP66/IP67, NEMA 4X, and IK10-rated camera can withstand winds up to 50 m/s. Lightfinder 2.0, Forensic WDR, and OptimizedIR, ensure sharp, detailed images under any light conditions. Furthermore, it includes Axis Edge Vault to protect your Axis device ID and simplify authorization of Axis products on your network.

> **Lightfinder 2.0, Forensic WDR, OptimizedIR**
> **Analytics with deep learning**
> **Audio and I/O connectivity**
> **Built-in cybersecurity features**
> **Impact and weather resistant**

AXIS P1467-LE Bullet Camera

Camera

Image sensor
1/2.7" progressive scan RGB CMOS

Lens
Varifocal, 2.8–8 mm, F1.3
Horizontal field of view 106˚–38˚
Vertical field of view 78˚–29˚
Varifocal, remote focus and zoom, P-iris control, IR corrected

Day and night
Automatically removable infrared-cut filter

Minimum illumination
With WDR and Lightfinder:
Color: 0.13 lux, at 50 IRE F1.3
B/W: 0.03 lux, at 50 IRE F1.3
0 lux with IR illumination on

Shutter speed
1/50000 s to 1/5 s

System on chip (SoC)

Model
ARTPEC-8

Memory
2 GB RAM, 8 GB 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
2592x1944 (5 MP) to 160x90
1280x720 (720p) to 160x90

Frame rate
Capture mode 5 MP: 25/30 fps (50/60 Hz)
Capture mode 720p: 180 fps

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 8 individually cropped out view areas

Image settings
Saturation, contrast, brightness, sharpness, Forensic WDR: Up to 120 dB depending on scene, white balance, day/night threshold, tone mapping, exposure mode, exposure zones, motion-adaptive exposure, defogging, barrel distortion correction, compression, orientation: auto, 0°, 90°, 180°, 270° including Corridor Format, mirroring of images, dynamic text and image overlay, polygon privacy masks
Scene profiles: forensic, vivid, traffic overview

Pan/Tilt/Zoom
Digital PTZ, digital zoom
Guard tour (max 100), control queue, fixed orientation aid

Audio

Audio streaming
Audio in, simplex, two-way audio via 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 or line input, digital audio input, ring power, network speaker pairing

Network

Network protocols
IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS[1], HTTP/2, TLS[1], QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, 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, 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® 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, specification 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
Video streaming indicator
Day/night shift
Defog
WDR
Privacy masks
Media clip
Light control

Event conditions
Audio: audio clip playing, audio clip currently 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: digital signal contains Axis metadata, digital signal has invalid signal 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, tampering

Event actions
Day-night mode, overlay text, WDR mode
Audio clips: play, stop
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
Record video: 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

Built-in installation aids
Pixel counter, remote zoom, remote focus, auto rotation

Analytics

Applications
Included
AXIS Live Privacy Shield
AXIS Object Analytics, AXIS Scene Metadata, AXIS Image Health Analytics
AXIS Video Motion Detection, active tampering, shock detection, audio detection, orientation aid
Supported
AXIS Perimeter Defender, AXIS License Plate Verifier
Support for AXIS Camera Application Platform enabling installation of third-party applications, see *axis.com/acap*

AXIS Object Analytics
Object classes: humans, vehicles (types: cars, buses, trucks, bikes, other)
Scenarios: line crossing, object in area, occupancy in area
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 Scene Metadata
Object classes: humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates
Object attributes: vehicle color, upper/lower clothing color, confidence, position

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Approvals

EMC
EN 55032 Class A, EN 50121–4, 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
USA: FCC Part 15 Subpart B Class A
Railway: IEC 62236-4

Safety
IEC/EN 62368-1, 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/IP67, 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, 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)

Network security
IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2)[2],
IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR,
HTTPS/HSTS[2], TLS v1.2/v1.3[2], 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/IP67-, NEMA 4X-, and IK10-rated casing
Polycarbonate blend and aluminium
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.*

Sustainability
PVC and BFR/CFR free

Power
Power over Ethernet IEEE 802.3af/802.3at Type 1
Class 3
Typical: 5.8 W, max 12.95 W
10–28 V DC, typical 5.2 W, max 12.95 W

Connectors
Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T
3.5 mm mic/line in
Terminal block for 1 supervised alarm input and 1
output (12 V DC output, max. load 25 mA)
DC input

IR illumination
OptimizedIR with power-efficient, long-life 850 nm IR
LEDs
Range of reach 40 m (131 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*

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 (eay@cryptsoft.com).*

Operating conditions
-40 °C to 60 °C (-40 °F to 140 °F)
Maximum temperature according to NEMA TS2 (2.2.7):
74 °C (165 °F)
Start-up temperature: -40 °C
Humidity 10–100% RH (condensing)

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

Weight
With weather shield:
1.2 kg (2.65 lb)

Dimensions
Ø132 x 280 mm (Ø5.2 x 11.0 in)

Included accessories
Installation guide, Windows® decoder 1-user license,
drill hole template, connector kit, mounting bracket,
Torx® L-keys
AXIS Weather Shield L

Optional accessories
AXIS T94F01M J-Box/Gang Box Plate, AXIS T91A47 Pole
Mount, AXIS T94P01B Corner Bracket, AXIS T94F01P
Conduit Back Box, AXIS Weather Shield K, Axis PoE
Midspans
For more accessories, see *axis.com*

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

Warranty
5-year warranty, see *axis.com/warranty*

AXIS®
COMMUNICATIONS