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AXIS P1467-LE
Bullet Camera

AXIS P1467-LE Bullet Camera Instructions

Contents

AXIS P1467-LE Bullet Camera

Setting up the Camera

1. Mount the camera securely in the desired location.
2. Connect the necessary cables for power and network connectivity.
3. Access the camera's web interface to configure settings such as resolution, frame rate, and network protocols.

Video Streaming

Configure the video streaming settings through the web interface. You can set up multiple streams with different compression formats and resolutions. Use Axis Zipstream technology to optimize bandwidth usage.

Audio Setup

Connect an external microphone or line input for audio streaming. Configure audio encoding settings based on your requirements such as bit rate and encoding format.

Network Integration

Integrate the camera into your existing network infrastructure using supported protocols. Utilize the built-in features for system integration and event actions.

FAQ

Q: How can I access the camera remotely?

A: You can access the camera remotely by setting up port forwarding on your router and using a compatible viewing application or accessing the camera's web interface through its public IP address.

Q: Can I expand the camera's capabilities with third-party applications?

A: Yes, you can enhance the camera's functionality by installing third-party applications compatible with the AXIS Camera Application Platform. Visit axis.com/acap for available applications.

Featured

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 pre-installed, 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

SPECIFICATION

- **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 2592×1944 (5 MP) to 160×90

      1280×720 (720p) to 160×90
    - 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, HTTP/2, TLS, 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
    - ○ 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 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 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**
  - 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

- **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, 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), IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR, HTTPS/HSTS, TLS v1.2/v1.3, 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
  - 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**

○ Video management software

AXIS Companion, AXIS Camera Station, video management software from Axis' Application

Development Partners available at axis.com/vms

○ Languages
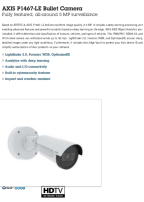
English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese,

Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese

○ Warranty

5-year warranty, see axis.com/warranty

Documents / Resources

AXIS P1467-LE Bullet Camera [pdf] Instructions
P1467-LE Bullet Camera, P1467-LE, Bullet Camera, Camera

References

- ⚠ **Axis Communications - Leader in network cameras and other IP networking solutions | Axis Communications**
- ⚠ **Technology partner finder | Axis Communications**

- ⛰ **Axis Developer Community | Axis Communications**
- ⛰ **Video management software | Axis Communications**
- ⛰ **Warranty implication when repainting | Axis Communications**
- ☐ **Home - ONVIF**
- ⛰ **Axis Communications - Leader in network cameras and other IP networking solutions | Axis Communications**
- **User Manual**