

AXIS P3245-LV Network Camera

Streamlined HDTV 1080p fixed dome for any light conditions

AXIS P3245-LV offers excellent image quality in HDTV 1080p. This streamlined, IK10-rated camera features Forensic WDR and OptimizedIR illumination to deliver sharp video even in challenging light or complete darkness. It includes Lightfinder 2.0 for video with more life-like colors and sharp video of moving objects. And, the varifocal lens with remote zoom and focus capabilities eliminates the need for hands-on fine tuning. With two-way audio you can hear what's happening in the scene and benefit from audio analytics. Plus, it offers Zipstream with support for H.264/ H.265 and enhanced security features.

- > **HDTV 1080p video quality**
- > **Lightfinder 2.0, Forensic WDR and OptimizedIR**
- > **Zipstream supporting H.264 and H.265**
- > **Signed firmware and secure boot**
- > **Two-way audio and I/O connectivity**



AXIS P3245–LV Network Camera

Camera

Image sensor

1/2.8" progressive scan RGB CMOS

Lens

Varifocal, 3.4–8.9 mm, F1.8
Horizontal field of view: 100°–36°
Vertical field of view: 53°–20°
Remote zoom and focus, P-Iris control, IR corrected

Day and night

Automatically removable infrared-cut filter

Minimum illumination

With Forensic WDR and Lightfinder 2.0:
Color: 0.1 lux at 50 IRE, F1.8
B/W: 0.02 lux at 50 IRE, F1.8; 0 lux with IR illumination on

Shutter speed

1/66500 s to 2 s

Camera adjustment

Pan $\pm 180^\circ$, tilt $\pm 75^\circ$, rotation $\pm 175^\circ$

System on chip (SoC)

Model

ARTPEC-7

Memory

1024 MB RAM, 512 MB Flash

Compute capabilities

Machine learning processing unit (MLPU)

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

1920x1080 to 160x90

Frame rate

With WDR: 25/30 fps with power line frequency 50/60 Hz
Without WDR: 50/60 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 for H.264 and H.265
Controllable frame rate and bandwidth
VBR/ABR/MBR H.264/H.265
Low latency mode

Multi-view streaming

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

Image settings

Compression, color saturation, brightness, sharpness, contrast, local contrast, white balance, day/night threshold, tone mapping, exposure control (including automatic gain control), exposure zones, defogging, Forensic WDR: up to 120 dB depending on scene, barrel distortion correction, fine tuning of low-light behavior, dynamic text and image overlay, privacy masks, mirroring, rotation: 0°, 90°, 180°, 270°, including Corridor Format

Pan/Tilt/Zoom

Digital PTZ, preset positions

Audio

Audio features

Automatic gain control
Voice enhancer

Audio streaming

Configurable duplex:
Two-way (half duplex, full duplex)

Audio input/output

Two-way audio connectivity through optional AXIS T61 Audio and I/O Interfaces with portcast technology

Audio input

Input for external unbalanced microphone, optional 5 V microphone power
Digital input, optional 12 V ring power
Unbalanced line input

Audio output

Line output

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

Network

Network protocols

IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2,
HTTPS¹, TLS¹, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB,
SMTP, mDNS (Bonjour), UPnP[®], SNMP v1/v2c/v3 (MIB-
II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/
RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, 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[®]
and AXIS Camera Application Platform; 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

Support for Session Initiation Protocol (SIP) for
integration with Voice over IP (VoIP) systems, peer to
peer or integrated with SIP/PBX

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.

Event conditions

Analytics, external input, supervision of input, edge
storage events, virtual inputs through API

Event actions

Record video: SD card and network share

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

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

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

Overlay text, external output activation, play audio clip,
make call

Built-in installation aids

Pixel counter, remote focus, remote zoom

OptimizedIR with adjustable IR illumination intensity

Analytics

Applications

Included

AXIS Object Analytics, Scene metadata

AXIS Object Analytics, AXIS Scene Metadata

AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering
Guard

AXIS Video Motion Detection, active tampering alarm

Audio detection

Supported

AXIS Occupancy Estimator, AXIS People Counter,

AXIS Tailgating Detector, AXIS Direction Detector,

AXIS Random Selector

AXIS Live Privacy Shield

Support for AXIS Camera Application Platform enabling
installation of third-party applications, see axis.com/acap

AXIS Object Analytics

Object classes: humans, vehicles

Scenarios: line crossing, object in area, crossline
counting

Up to 10 scenarios

Other features: triggered objects visualized with color-
coded bounding boxes

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

Confidence, position

Approvals

EMC

EN 55032 Class A, EN 55024, EN 50121-4,

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

Safety

IEC/EN/UL 62368-1, IS 13252, IEC/EN 62471

1. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (ey@cryptsoft.com).

Environment

IEC 60068-2-1, IEC 60068-2-14, IEC 60068-2-2,
IEC 60068-2-27, IEC 60068-2-6, IEC 60068-2-78
IEC/EN 60529 IP52, IEC/EN 62262 IK10

Network

NIST SP500-267

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: Secure boot

Network security

IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2)²,
IEEE 802.1AE (MACsec PSK/EAP-TLS), HTTPS/HSTS², TLS
v1.2/v1.3², 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

IP52-rated, IK10 impact-resistant polycarbonate casing
with hard-coated dome and dehumidifying membrane
Encapsulated electronics and captive screws

Color: white NCS S 1002-B

For repainting instructions and impact on warranty,
contact your Axis partner.

Mounting

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

1/4"-20 UNC tripod screw thread

Sustainability

PVC free

Power

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

Typical 6.4 W, max 10.7 W

Connectors

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: 4-pin 2.5 mm (0.098 in) terminal block for audio
in and out

Audio and I/O connectivity via AXIS T61 Audio and I/O
Interfaces with portcast technology

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

Operating conditions

0 °C to 50 °C (32 °F to 122 °F)

Humidity 10–85% RH (non-condensing)

Storage conditions

–40 °C to 65 °C (–40 °F to 149 °F)

Humidity 5–95% RH (non-condensing)

Dimensions

Height: 103 mm (4.06 in)

ø 149 mm (5.87 in)

Weight

650 g (1.4 lb)

Included accessories

Installation guide, Windows® decoder 1-user license,
drill template, Resistorx® T20 L-key, terminal block
connectors, cable gaskets, connector guard

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 (ey@cryptsoft.com).

Optional accessories

AXIS TP3201 Recessed Mount, optionally with
AXIS Device Microphone B, AXIS T94K01D Pendant Kit,
AXIS Dome Intrusion Switch C, AXIS T6101 Audio and I/
O Interface, AXIS T6112 Audio and I/O Interface,
AXIS TP3901 Microphone Kit, AXIS ACI Conduit
Adapters, Axis mounts and microphones, smoked dome,
black casing

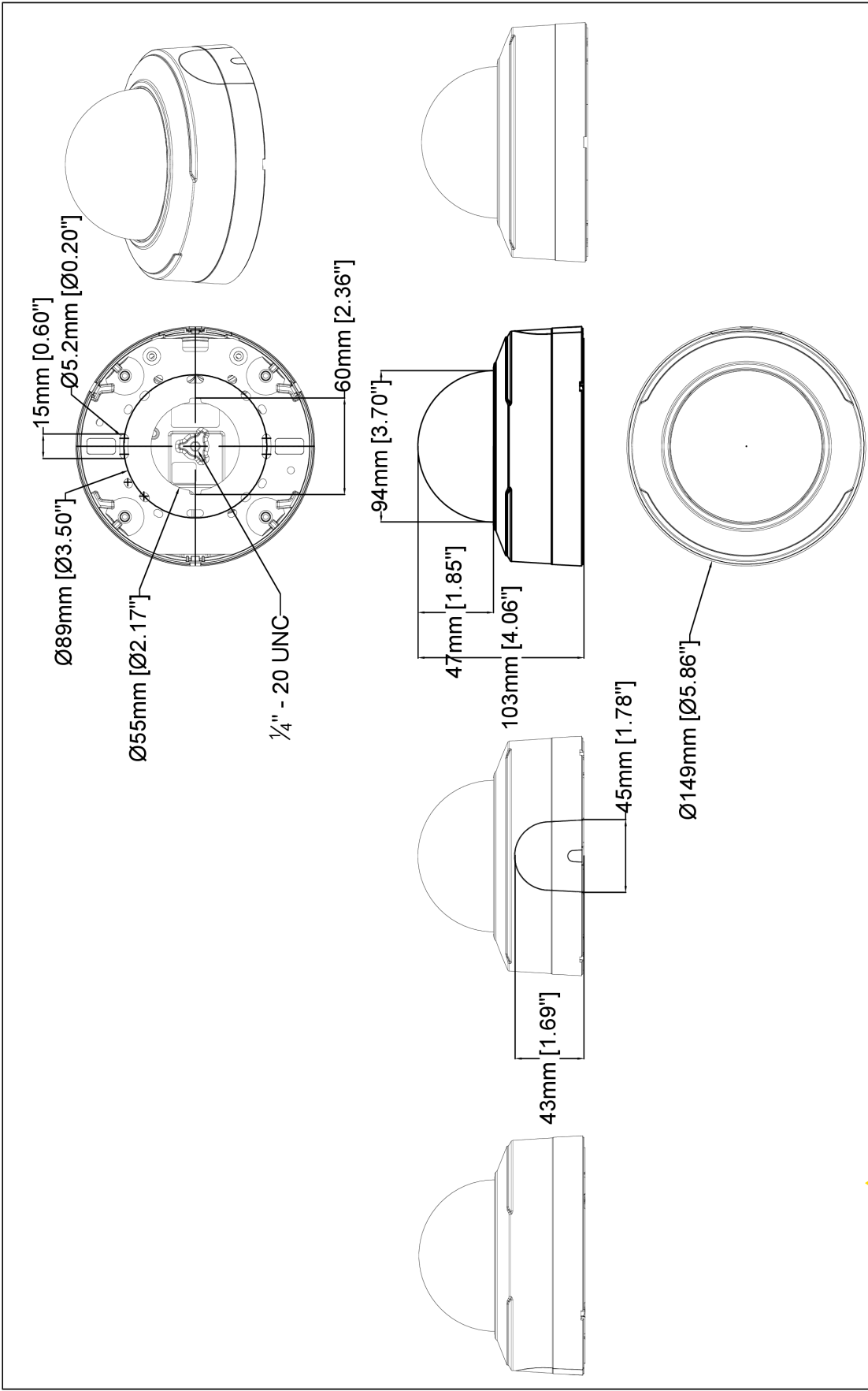
For more accessories, see *axis.com*

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*



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