

AXIS P3245-VE Network Camera

Streamlined outdoor-ready HDTV 1080p fixed dome

AXIS P3245-VE offers excellent image quality in HDTV 1080p under any light conditions. This outdoor-ready, IK10-rated camera features Forensic WDR to provide clarity when there's both dark and light areas in the scene. And, Lightfinder 2.0 delivers images with more life-like colors and sharp images of moving objects. Including a varifocal lens with remote zoom and focus capabilities, it eliminates the need for hands-on fine tuning. This camera features enhanced security functionality to ensure the integrity and authenticity of the camera's firmware. Furthermore, it offers Axis Zipstream with support for H.264/H.265, which significantly reduces bandwidth and storage requirements.

- > [HDTV 1080p video quality](#)
- > [Remote focus and zoom](#)
- > [Lightfinder 2.0 and Forensic WDR](#)
- > [Zipstream supporting H.264 and H.265](#)
- > [Signed firmware and secure boot](#)



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Camera		Event conditions	Analytics, edge storage events, virtual inputs through API
Image sensor	1/2.8" progressive scan RGB CMOS	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, make call
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	Data streaming	Event data
Day and night	Automatically removable infrared-cut filter	Built-in installation aids	Pixel counter, remote focus, remote zoom
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	General	
Shutter time	1/66500 s to 2 s	Casing	IP66- and NEMA 4X-rated, IK10 impact-resistant 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.
Camera angle adjustment	Pan ±180°, tilt ±75°, rotation ±175°	Mounting	Mounting bracket with holes for junction box (double-gang, single-gang, and 4" octagon) and for wall or ceiling mount ¼"-20 UNC tripod screw thread
Video		Sustainability	PVC free
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	Memory	1024 MB RAM, 512 MB Flash
Resolution	1920x1080 to 160x90	Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 3.5 W, max 8 W
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	Connectors	RJ45 10BASE-T/100BASE-TX PoE Audio and I/O connectivity via AXIS T61 Audio and I/O Interfaces with portcast technology
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	Storage	Support for microSD/microSDHC/microSDXC card and encryption Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Multi-view streaming	Up to 2 individually cropped out view areas in full frame rate	Operating conditions	-40 °C to 50 °C (-40 °F to 122 °F) Maximum temperature (intermittent): 55 °C (131 °F) Start-up temperature: -30 °C to 50 °C (-22 °F to 122 °F) Humidity 10–100% RH (condensing)
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	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
Pan/Tilt/Zoom	Digital PTZ, preset positions	Approvals	EMC EN 55032 Class A, EN 50121-4, IEC 62236-4, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A, KC KN32 Class A, KC KN35 Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IS 13252 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-30, IEC 60068-2-78 IEC/EN 60529 IP66, IEC/EN 62262 IK10, NEMA 250 Type 4X Network NIST SP500-267
Audio		Dimensions	Without weathershield: Height: 104 mm (4.09 in) ø 149 mm (5.87 in)
Audio input/output	Two-way audio connectivity via optional AXIS T61 Audio and I/O Interfaces with portcast technology	Weight	With weathershield: 800 g (1.8 lb)
Network		Included accessories	Installation guide, Windows® decoder 1-user license, drill template, Resistorx® T20 L-key, cable gaskets, connector guard Weathershield
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X (EAP-TLS) ^a network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot	Optional accessories	AXIS T94M02L Recessed Mount, AXIS T94T01D Pendant Kit, AXIS T6101 Audio and I/O Interface, AXIS T6112 Audio and I/O Interface, AXIS ACI Conduit Adapters, Axis mounts, smoked dome, black casing For more accessories, see axis.com
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP [®] , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, SIP, LLDP	Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms
System integration		Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com AXIS Guardian with One-Click Connection ONVIF [®] Profile G, 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		
Analytics	Included AXIS Video Motion Detection, active tampering alarm Supported AXIS Perimeter Defender, AXIS Guard Suite including AXIS Motion Guard, AXIS Fence Guard, and AXIS Loitering Guard, AXIS Occupancy Estimator, AXIS Queue Monitor, AXIS People Counter, AXIS Tailgating Detector, AXIS Direction Detection, AXIS Random Selector Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap		

Warranty Axis 3-year warranty and AXIS Extended Warranty option, see axis.com/warranty

Environmental responsibility:
axis.com/environmental-responsibility

- a. *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).*