

# AXIS P3245-V Network Camera

## Streamlined HDTV 1080p fixed dome

AXIS P3245-V offers excellent image quality in HDTV 1080p under any light conditions. This streamlined, 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 video with more life-like colors and sharp video 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 features 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 zoom and focus](#)
- > [Lightfinder 2.0 and Forensic WDR](#)
- > [Zipstream supporting H.264 and H.265](#)
- > [Signed firmware and secure boot](#)



# AXIS P3245-V Network Camera

<b>Camera</b>		<b>Event conditions</b>	Analytics, edge storage events, virtual inputs through API
<b>Image sensor</b>	1/2.8" progressive scan RGB CMOS	<b>Event actions</b>	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
<b>Lens</b>	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	<b>Data streaming</b>	Event data
<b>Day and night</b>	Automatically removable infrared-cut filter	<b>Built-in installation aids</b>	Pixel counter, remote focus, remote zoom
<b>Minimum illumination</b>	<b>With Forensic WDR and Lightfinder 2.0:</b> Color: 0.1 lux at 50 IRE, F1.8 B/W: 0.02 lux at 50 IRE, F1.8	<b>General</b>	
<b>Shutter time</b>	1/66500 s to 2 s	<b>Casing</b>	IP52-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.
<b>Camera angle adjustment</b>	Pan ±180°, tilt ±75°, rotation ±175°	<b>Mounting</b>	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
<b>Video</b>		<b>Sustainability</b>	PVC free BVR/CFR free
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	<b>Memory</b>	1024 MB RAM, 512 MB Flash
<b>Resolution</b>	1920x1080 to 160x90	<b>Power</b>	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2 Typical 3.5 W, max 5.7 W
<b>Frame rate</b>	<b>With WDR:</b> 25/30 fps with power line frequency 50/60 Hz <b>Without WDR:</b> 50/60 fps with power line frequency 50/60 Hz	<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX PoE Audio and I/O connectivity via AXIS T61 Audio and I/O Interfaces with portcast technology
<b>Video streaming</b>	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	<b>Storage</b>	Support for microSD/microSDHC/microSDXC card and encryption Recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>
<b>Multi-view streaming</b>	Up to 2 individually cropped out view areas in full frame rate	<b>Operating conditions</b>	0 °C to 50 °C (32 °F to 122 °F) Humidity 10–85% RH (non-condensing)
<b>Image settings</b>	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	<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
<b>Pan/Tilt/Zoom</b>	Digital PTZ, preset positions	<b>Approvals</b>	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, 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 IP52, IEC/EN 62262 IK10 Network NIST SP500-267
<b>Audio</b>		<b>Dimensions</b>	Height: 103 mm (4.06 in) ø 149 mm (5.87 in)
<b>Audio input/output</b>	Two-way audio connectivity via optional AXIS T61 Audio and I/O Interfaces with portcast technology	<b>Weight</b>	650 g (1.4 lb)
<b>Network</b>		<b>Included accessories</b>	Installation guide, Windows® decoder 1-user license, drill template, Resistorx® T20 L-key, cable gaskets, connector guard
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X (EAP-TLS) <sup>a</sup> network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot	<b>Optional accessories</b>	AXIS TP3201 Recessed Mount, AXIS T94K01D 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 <a href="http://axis.com">axis.com</a>
<b>Supported protocols</b>	IPv4, IPv6 USGv6, HTTP, HTTPS <sup>a</sup> , SSL/TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, SIP, LLDP	<b>Video management software</b>	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at <a href="http://axis.com/vms">axis.com/vms</a>
<b>System integration</b>		<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile S, and ONVIF <sup>®</sup> Profile T, specification at <a href="http://onvif.org">onvif.org</a> Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX	<b>Warranty</b>	Axis 3-year warranty and AXIS Extended Warranty option, see <a href="http://axis.com/warranty">axis.com/warranty</a>
<b>Analytics</b>	<b>Included</b> AXIS Video Motion Detection, active tampering alarm <b>Supported</b> AXIS Live Privacy Shield, AXIS Perimeter Defender, AXIS Guard Suite including AXIS Motion Guard, AXIS Fence Guard, and AXIS Loitering Guard, AXIS Occupancy Estimator, AXIS People Counter, AXIS Tailgating Detector, AXIS Direction Detector, AXIS Random Selector Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>		

- 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).*

Environmental responsibility:

[axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)