

# IPC1468

Explosion-Protected Bullet Camera



## Application

This explosion-protected camera is designed and certified for Zone and Division 2 according to international standards (ATEX, IECEx, cULus). Built on ARTPEC-8, it includes a deep learning processing unit (DLPU) enabling advanced features and powerful analytics that run on the edge. Ideal for health and safety applications as well as operational efficiency, you can gain a deeper understanding and awareness by creating an advanced data-driven sensory network that can be integrated with existing sensors and systems. Including Lightfinder 2.0, Forensic WDR, and OptimizedIR, AXIS P1468-XLE ensures sharp, detailed 4K images under any light conditions. Furthermore, this impact-resistant, outdoor-ready camera includes built-in cybersecurity features.

## Product Specifications

<b>Camera</b>		<b>Network</b>	
<b>Image sensor</b>	1/1.2" progressive scan RGB CMOS Pixel size 2.9 μm	<b>Network protocols</b>	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS <sup>b</sup> , HTTP/2, TLS <sup>b</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf), IEEE 802.1X (EAP-TLS), IEEE 802.1AR
<b>Lens</b>	Varifocal, 6.2–12.9 mm, F1.6–2.9 Horizontal field of view 108°–49° Vertical field of view 58°–27° Minimum focus distance: 1 m (3.3 ft) Varifocal, remote focus and zoom, P-iris control, IR corrected	<b>System integration</b>	
<b>Day and night</b>	Automatic IR-cut filter Hybrid IR filter	<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> , metadata and AXIS Camera Application Platform (ACAP); specifications at <a href="https://axis.com/developer-community">axis.com/developer-community</a> . ACAP includes Native SDK and Computer Vision SDK. One-click cloud connection ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile M, ONVIF <sup>®</sup> Profile S and ONVIF <sup>®</sup> Profile T, specification at <a href="https://onvif.org">onvif.org</a>
<b>Minimum illumination</b>	With WDR and Lightfinder: Color: 0.07 lux, at 50 IRE F1.6 B/W: 0.01 lux, at 50 IRE F1.6 0 lux with IR illumination on	<b>Video management systems</b>	Compatible with AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at <a href="https://axis.com/vms">axis.com/vms</a>
<b>Shutter speed</b>	1/66500 s to 2 s	<b>Onscreen controls</b>	Video streaming indicator Day/night shift Defog WDR Privacy masks Media clip Light control
<b>System on chip (SoC)</b>		<b>Event conditions</b>	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 Smoke alert Video: average bitrate degradation, day-night mode, tampering
<b>Model</b>	ARTPEC-8	<b>Event actions</b>	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
<b>Memory</b>	2 GB RAM, 8 GB Flash	<b>Built-in installation aids</b>	Pixel counter, remote zoom, remote focus, auto rotation
<b>Compute capabilities</b>	Deep learning processing unit (DLPU)	<b>Analytics</b>	
<b>Video</b>		<b>Applications</b>	<b>Included</b> AXIS Object Analytics, AXIS Scene metadata AXIS Video Motion Detection, active tampering, shock detection, audio detection, orientation aid, smoke alert <b>Supported</b> AXIS Perimeter Defender, AXIS License Plate Verifier, AXIS Digital Autotracking Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="https://axis.com/acap">axis.com/acap</a>
<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>AXIS Object Analytics</b>	<b>Object classes:</b> humans, vehicles (types: cars, buses, trucks, bikes, other) <b>Trigger conditions:</b> line crossing, object in area, time in area, PPE monitoring Up to 10 scenarios <b>Other features:</b> triggered objects visualized with trajectories, color-coded bounding boxes and tables Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
<b>Resolution</b>	3840x2160 to 160x90		
<b>Frame rate</b>	With Forensic WDR: Up to 25/30 fps (50/60 Hz) in all resolutions No WDR: Up to 50/60 fps (50/60 Hz) in all resolutions		
<b>Video streaming</b>	Up to 20 unique and configurable video streams <sup>a</sup> Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265 Video streaming indicator		
<b>Signal-to-noise ratio</b>	>55 dB		
<b>WDR</b>	Forensic WDR: Up to 120 dB depending on scene		
<b>Multi-view streaming</b>	Up to 8 individually cropped out view areas		
<b>Noise reduction</b>	Spatial filter (2D noise reduction) Temporal filter (3D noise reduction)		
<b>Image settings</b>	Saturation, contrast, brightness, sharpness, 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 and mosaic privacy masks Scene profiles: forensic, vivid, traffic overview		
<b>Image processing</b>	Axis Zipstream, Forensic WDR, Lightfinder 2.0, OptimizedIR		
<b>Pan/Tilt/Zoom</b>	Digital PTZ, digital zoom Guard tour (max 100), control queue, fixed orientation aid		
<b>Audio</b>			
<b>Audio features</b>	AGC automatic gain control Network speaker pairing		
<b>Audio streaming</b>	Configurable duplex: One-way (simplex, half duplex) Two-way (half duplex, full duplex)		
<b>Audio input</b>	10-band graphic equalizer Input for external unbalanced microphone, optional 5 V microphone power Digital input, optional 12 V ring power Unbalanced line input		
<b>Audio output</b>	Output via network speaker pairing		
<b>Audio encoding</b>	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		

