

AXIS P3738-PLE Panoramic Camera

4x 4K multidirectional with deep learning

This multidirectional camera offers four channels with 4K per channel to deliver excellent overviews and detailed coverage. It includes 360° IR illumination for clear, reflection-free footage and excellent image quality even in low light or complete darkness. This flexible camera offers various mounting options. For instance, it can be recessed mounted for discreet surveillance or mounted in ceilings for complete 360° coverage. With highly efficient power consumption, it ensures lower operating costs. It also supports powerful analytics based on deep learning. Furthermore, Axis Edge Vault, a hardware-based cybersecurity platform, guarantees the device's integrity and protects it from unauthorized access.

- > 4x 4K at 15 fps per channel
- > 360° IR illumination with individually controlled LEDs
- > Flexible mounting options
- > Support for advanced analytics
- > Axis Edge Vault safeguards the device





AXIS P3738-PLE Panoramic Camera

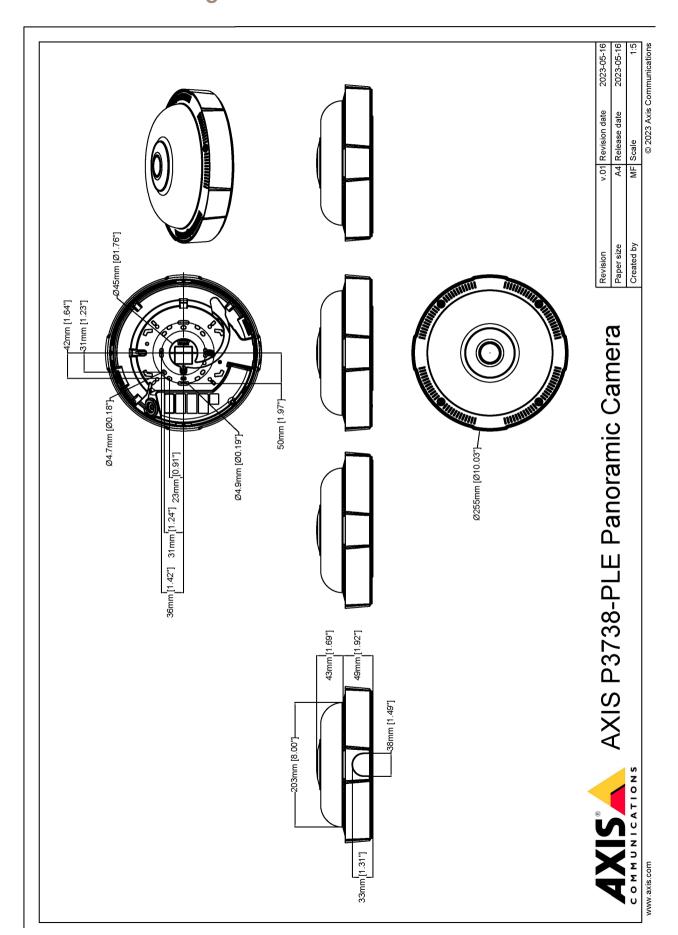
A A IO OIL	Video management	Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station 5, and video management software	
	systems	from Axis' partners available at axis.com/vms.	
Varifocal, 3.2–8.1 mm, F1.9–3.2	Onscreen	Autofocus	
Horizontal field of view: 108°-40°	controls	Video streaming indicator IR illumination	
		Privacy masks	
Minimum focus distance: 0.5 m (1.6 ft)		Media clip	
Fixed iris, IR corrected, remote zoom and focus	Edge-to-edge	Speaker pairing	
Automatic IR-cut filter	Event conditions	Device status: above operating temperature, above or below operating temperature, below operating temperature, within	
		operating temperature, below operating temperature, within operating temperature, IP address removed, new IP address,	
0 lux with IR illumination on		network lost, system ready, live stream active, casing open Edge storage: recording ongoing, storage disruption, storage	
WDR on: 1/8000 s to 2 s		health issues detected	
		I/O: manual trigger, virtual input MQTT: stateless	
ran ±90°, tilt +25° to +95°, rotation -5° to +95°, twist ±20°		Scheduled and recurring: schedule	
(SoC)	Frank anklana	Video: average bitrate degradation, day-night mode, tampering	
ARTPEC-8	Event actions	Day-night mode Illumination: use lights, use lights while the rule is active	
4096 MB RAM, 8192 MB Flash		MQTT: publish	
Deep learning processing unit (DLPU)		Notification: HTTP, HTTPS, TCP, and email Overlay text	
		Recordings: record, record while the rule is active	
H 264 (MPEC 4 Part 10/A)/C) Possiling Main and High Profiles		SNMP traps: send, send while the rule is active Status LED: flash, flash while the rule is active	
H.265 (MPEG-4 Part 2/HEVC) Main Profile Motion JPEG		Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share, and email	
4x 3840x2160 (4x 4K) to 4x 320x180	Built-in	Remote zoom and focus, pixel counter, barrel distortion correction	
Up to 12.5/15 fps (50/60 Hz) in all resolutions		Correction	
Multiple, individually configurable streams in H.264, H.265 and	-	Included	
		AXIS Object Analytics, AXIS Scene Metadata, AXIS Video Motion	
Controllable frame rate and bandwidth		Detection, active tampering alarm Supported	
		Support for AXIS Camera Application Platform enabling	
		installation of third-party applications, see axis.com/acap	
>55 dB	Multisensor analytics	4 channels analytics support ^c	
Forensic WDR: Up to 120 dB depending on scene	•	Object classes: humans, vehicles (types: cars, buses, trucks, bikes, other)	
Spatial filter (2D noise reduction) Temporal filter (3D noise reduction)	7 mary cres	cenarios: line crossing, object in area, time in area, crossline ounting, occupancy in area	
Saturation, contrast, brightness, sharpness, white balance,		Up to 8 scenarios Other features: triggered objects visualized with trajectories,	
		and color-coded bounding boxes and tables	
rotation: 0°, 90°, 180°, 270° including corridor format, mirroring,			
		Polygon include/exclude areas	
text and image overlay, dynamic text and image overlay, privacy		Perspective configuration	
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text and image overlay, dynamic text and image overlay, privacy	AXIS Scene Metadata	Perspective configuration ONVIF Motion Alarm event Object classes: humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates	
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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 IK09, ISO 21207 (Method B), MIL-STD-810H (Method 501.7, 502.7, 505.7 506.6, 507.6 509.7, 512.6) NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9), VDMA 24364
Network	NIST SP500-267, IPv6 USGv6
Cybersecurity	ETSI EN 303 645, BSI IT Security Label, FIPS 140
Cybersecurity	
Edge security	Software: Signed OS, brute force delay protection, digest authentication, password protection Hardware: Axis Edge Vault cybersecurity platform TPM 2.0 (CC EAL4+, FIPS 140-2 Level 2), 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) ^d , IEEE 802.1AR, HTTPS/HSTS ^e , TLS v1.2/v1.3 ^f , 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 IK09-rated Polycarbonate hard-coated dome Aluminum and plastic casing, polycarbonate (PC) dome 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.
Mounting	Mounting bracket with junction box holes (double-gang, single-gang, 4" square, and 4" octagon) 1/2" (M20) conduit side entry
Power	Power over Ethernet (PoE) IEEE 802.3at Type 2 Class 4 IR illumination on: typical 14.98 W, max 25.50 W IR illumination off: typical 8.92 W, max 14.70 W
Connectors	Network: Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE
IR illumination	OptimizedIR with power-efficient, long-life 850 nm IR LEDs Range of reach 15m (49.2 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	-30°C to 50 °C (-22 °F to 122 °F) Humidity 10–100% RH (condensing) Maxiumum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F)

	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)	
- 6),	Dimensions	For the overall product dimensions, see the dimension drawing in this datasheet. Effective Projected Area (EPA): 0.022 m² (0.24 ft²)	
	Weight	2 kg (4.4 lb)	
_	Box content	Camera, installation guide, connector guard, cable gaskets	
	Optional accessories	AXIS TP3105-E Pendant Kit Black, AXIS TP3204-E Recessed Mount, AXIS TP3832-E Dome Smoked, AXIS TP3833-E Dome Casing Black, AXIS T94N01D Pendant Kit, AXIS TP3004-E Wall Mount Black, AXIS T8415 Wireless Installation Tool AXIS Surveillance Cards For more accessories, go to axis.com/products/axis-p3738-ple#accessories	
	System tools	AXIS Site Designer, AXIS Device Manager, product selector, accessory selector, lens calculator Available at axis.com	
	Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese	
	Warranty	5-year warranty, see axis.com/warranty	
	Part numbers	Available at axis.com/products/axis-p3738-ple#part-numbers	
	Sustainability		
	Substance control	PVC free, BFR/CFR free in accordance with JEDEC/ECA Standard JS709 RoHS in accordance with EU RoHS Directive 2011/65/EU/ and EN 63000:2018 REACH in accordance with (EC) No 1907/2006. For SCIP UUID, see echa.europa.eu	
_	Materials	Renewable carbon-based plastic content: 17% (recycled: 9%, bio-based: 1%, carbon capture based: 7%) Screened for conflict minerals in accordance with OECD guidelines To read more about sustainability at Axis, go to axis.com/about-axis/sustainability	
_	Environmental responsibility	axis.com/environmental-responsibility Axis Communications is a signatory of the UN Global Compact, read more at unglobalcompact.org	
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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).
b. 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).
c. For more information, go to the User manual on axis.com.
d. 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).
e. 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).
f. 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).

Dimension drawing



www.axis.com T10191132/EN/M8.2/2502

Highlighted capabilities

AXIS Object Analytics

AXIS Object Analytics is a preinstalled, multifeatured video analytics that detects and classifies humans, vehicles, and types of vehicles. Thanks to Al-based algorithms and behavioral conditions, it analyzes the scene and their spatial behavior within – all tailored to your specific needs. Scalable and edge-based, it requires minimum effort to set up and supports various scenarios running simultaneously.

Axis Edge Vault

Axis Edge Vault is the hardware-based cybersecurity platform that safeguards the Axis device. It forms the foundation that all secure operations depend on and offer features to protect the device's identity, safeguard its integrity and protect sensitive information from unauthorized access. For instance, secure boot ensures that a device can boot only with signed OS, which prevents physical supply chain tampering. With signed OS, the device is also able to validate new device software before accepting to install it. And the secure keystore is the critical building-block for protecting cryptographic information used for secure communication (IEEE 802.1X, HTTPS, Axis device ID, access control keys etc.) against malicious extraction in the event of a secu-

rity breach. The secure keystore and secure connections are provided through a Common Criteria or FIPS 140 certified hardware-based cryptographic computing module.

Furthermore, signed video ensures that video evidence can be verified as untampered. Each camera uses its unique video signing key, which is securely stored in the secure keystore, to add a signature into the video stream allowing video to be traced back to the Axis camera from where it originated.

To read more about Axis Edge Vault, go to axis.com/solutions/edge-vault.

Zipstream

The Axis Zipstream technology preserves all the important forensic in the video stream while lowering bandwidth and storage requirements by an average of 50%. Zipstream also includes three intelligent algorithms, which ensure that relevant forensic information is identified, recorded, and sent in full resolution and frame rate.

For more information, see axis.com/glossary

