

# AXIS M3086-V Dome Camera

## Fixed 4 MP mini dome with deep learning

This cost-efficient mini dome features Wide Dynamic Range (WDR) to ensure clarity even when there's both dark and light areas in the scene. With Lightfinder, it delivers sharp color images even in low light. A deep learning processing unit enables intelligent analytics based on deep learning on the edge. And AXIS Object Analytics offers detection and classification of different types of objects – all tailored to your specific needs. Furthermore, this compact, easy-to-install, vandal-resistant camera offers a wide-angle view of 130° and comes factory focused so there's no manual focusing required.

- > [Great image quality in 4 MP](#)
- > [Compact, discreet design](#)
- > [WDR and Lightfinder](#)
- > [Support for analytics with deep learning](#)
- > [Built-in cybersecurity features](#)



# AXIS M3086-V Dome Camera

<b>Camera</b>		I/O: manual trigger, virtual input, digital input via accessories using portcast technology
Image sensor	1/2.7" progressive scan RGB CMOS	MQTT: subscribe
Lens	2.4 mm, F2.1 Horizontal field of view: 130° Vertical field of view: 93° Fixed iris, IR corrected	Scheduled and recurring: schedule
Day and night	Automatically removable infrared-cut filter	Video: average bitrate degradation, tampering
Minimum illumination	With Lightfinder: Color: 0.19 lux at 50 IRE F2.1 B/W: 0.03 lux at 50 IRE F2.1	<b>Event actions</b>
Shutter speed	1/38500 s to 1/5 s	Notification: HTTP, HTTPS, TCP and email
Camera angle adjustment	Pan: ±175° Tilt: ±80° Rotation: ±175° Can be directed in any direction and see the wall/ceiling	Record video: SD card and network share
<b>System on chip (SoC)</b>		MQTT: publish
Model	CV25	Pre- and post-alarm video or image buffering for recording or upload
Memory	1024 MB RAM, 512 MB Flash	Record video: SD card and network share
Compute capabilities	Deep learning processing unit (DLPU)	SNMP traps: send, send while the rule is active
<b>Video</b>		Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email
Video compression	H.264 (MPEG-4 Part 10/AVC) Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	External output activation via accessories using portcast technology
Resolution	2688x1512 (4 MP) to 320x240	<b>Data streaming</b>
Frame rate	25/30 fps with power line frequency 50/60 Hz	Event data
Video streaming	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/MBR H.264/H.265 Average bitrate	<b>Built-in installation aids</b>
Multi-view streaming	Up to 2 individually cropped out view areas in full frame rate	Pixel counter
Image settings	Compression, color, brightness, sharpness, contrast, white balance, exposure control, motion-adaptive exposure, WDR: up to 120 dB depending on scene, dynamic overlays, mirroring of images, privacy mask Rotation: 0°, 90°, 180°, 270°, including Corridor Format	<b>Analytics</b>
Pan/Tilt/Zoom	Digital PTZ	<b>AXIS Object Analytics</b>
<b>Audio</b>		Object classes: humans, vehicles (types: cars, buses, trucks, bikes)
Audio input/output	Two-way audio connectivity via optional accessories using portcast technology	Trigger conditions: line crossing, object in area, time in area <sup>BETA</sup>
<b>Network</b>		Up to 10 scenarios
Security	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 Axis Edge Vault, Axis device ID	Metadata visualized with color-coded bounding boxes
Supported protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS <sup>a</sup> , HTTP/2, TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>b</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTCP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, DHCPv4/v6, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)	Polygon include/exclude areas
<b>System integration</b>		Perspective configuration
Application Programming Interface	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="https://axis.com">axis.com</a> 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>	ONVIF Motion Alarm event
Event conditions	Device status: above operating temperature, above or below operating temperature, below operating temperature, IP address removed, live stream active, network lost, new IP address, system ready, within operating temperature Edge storage: recording ongoing, storage disruption, storage health issues detected	<b>Applications</b>
		Included
		AXIS Object Analytics, AXIS Video Motion Detection
		Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="https://axis.com/acap">axis.com/acap</a>
		<b>General</b>
		<b>Casing</b>
		IP42 water- and dust-resistant (to comply with IP42, follow Installation Guide), IK08 impact-resistant, polycarbonate/ABS casing
		Encapsulated electronics
		Color: white NCS S 1002-B
		For repainting instructions, contact your Axis partner.
		<b>Sustainability</b>
		57% recycled plastics, PVC free, BFR/CFR free
		<b>Power</b>
		Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2 Typical 3.6 W, max 4.2 W
		<b>Connectors</b>
		RJ45 10BASE-T/100BASE-TX PoE
		<b>Storage</b>
		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 <a href="https://axis.com">axis.com</a>
		<b>Operating conditions</b>
		0 °C to 45 °C (32 °F to 113 °F)
		Humidity 10–85% RH (non-condensing)
		<b>Storage conditions</b>
		–40 °C to 65 °C (–40 °F to 149 °F)
		Humidity 5–95% RH (non-condensing)
		<b>Approvals</b>
		EMC
		ICES-3(A)/NMB-3(A), EN 55032 Class A, EN 55035, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, KS C 9835, KS C 9832 Class A, RCM AS/NZS CISPR 32 Class A,
		<b>Safety</b>
		IEC/EN/UL 62368-1
		<b>Environment</b>
		IEC 60068-2-X, IEC/EN 60529 IP42, IEC/EN 62262 Class IK08
		<b>Network</b>
		NIST SP500-267
		<b>Dimensions</b>
		Height: 56 mm (2.2 in) ø 101 mm (4.0 in)
		<b>Weight</b>
		150 g (0.33 lb)
		<b>Included accessories</b>
		Installation guide, Windows <sup>®</sup> decoder 1-user license
		<b>Optional accessories</b>
		AXIS TM3812 Tamper Cover
		Black casing
		Smoked dome

	AXIS Surveillance microSDXC™ Card For more accessories see <a href="http://axis.com">axis.com</a>
<b>Video management software</b>	AXIS Companion, AXIS Camera Station and video management software from Axis Application Development Partners. For more information, see <a href="http://axis.com/vms">axis.com/vms</a>
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Japanese, Korean, Portuguese, Simplified Chinese, Traditional Chinese
<b>Warranty</b>	5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>

- a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([openssl.org](http://openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).

Environmental responsibility:

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