

AXIS M3088-V Dome Camera

Affordable 8 MP fixed mini dome with deep learning

Featuring WDR, this compact and discreet dome delivers excellent quality image, with clear color and details even in low light. With a deep learning processing unit (DLPU), you can take advantage of intelligent analytics based on deep learning on the edge. And Axis Edge Vault protects your Axis device ID and simplifies authorization of Axis devices on your network. It can be repainted and includes a wide range of affordable mounting accessories for discreet monitoring. Furthermore, it offers the flexibility to add audio and I/O connectivity using accessories.

- > [Excellent image quality in 4K](#)
- > [WDR](#)
- > [Fixed focal lens](#)
- > [Support for analytics with deep learning](#)
- > [Built-in cybersecurity features](#)



AXIS M3088-V Dome Camera

Camera		I/O: manual trigger, virtual input, digital input via accessories using portcast technology MQTT subscribe Scheduled and recurring: scheduled event Video: average bitrate degradation, tampering
Image sensor	1/2.7" progressive scan RGB CMOS	
Lens	2.8 mm, F2.0 Horizontal field of view: 109° Vertical field of view: 56° Fixed iris, IR corrected	
Day and night	Automatically removable infrared-cut filter	
Minimum illumination	Color: 0.25 lux at 50 IRE F1.6 B/W: 0.05 lux at 50 IRE F2.0	
Shutter speed	1/71500 s to 1/5 s	Event actions MQTT publish Notification: email, HTTP, HTTPS, TCP and SNMP trap Pre- and post-alarm video or image buffering for recording or upload Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email External output activation via accessories using portcast technology
Camera angle adjustment	Pan: ±175° Tilt: ±80° Rotation: ±175° Can be directed in any direction and see the wall/ceiling	
System on chip (SoC)		
Model	CV25	
Memory	2024 MB RAM, 512 MB Flash	
Compute capabilities	Deep learning processing unit (DLPU)	Data streaming Event data Built-in installation aids Pixel counter
Video		
Video compression	H.264 (MPEG-4 Part 10/AVC) Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Motion JPEG	
Resolution	3840x2160 (8 MP) to 320x240	
Frame rate	12/15 fps with power line frequency 50/60 Hz	
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	Analytics AXIS Object Analytics Object classes: humans, vehicles (types: cars, buses, trucks, bikes) Trigger conditions: line crossing, object in area Up to 10 scenarios Metadata visualized with color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
Multi-view streaming	Up to 2 individually cropped out view areas in full frame rate streaming	
Image settings	Compression, color, brightness, sharpness, contrast, white balance, exposure control, motion-adaptive exposure, WDR: up to 120 dB depending on scene, text and image overlay, mirroring of images, privacy mask Rotation: 0°, 90°, 180°, 270°, including Corridor Format	
Pan/Tilt/Zoom	Digital PTZ	
Audio		
Audio input/output	Two-way audio connectivity via optional accessories using portcast technology Smart pairing with Axis speakers using edge-to-edge technology	Applications Included AXIS Object Analytics, AXIS Video Motion Detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
Network		
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 Axis Edge Vault, Axis device ID	
Supported protocols	IPv4, IPv6, USGv6, ICMPv4/ICMPv6, HTTP, HTTPS ^a , HTTP/2, TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP [®] , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)	
System integration		
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com One-click cloud connection ONVIF [®] Profile G, ONVIF [®] Profile M, ONVIF [®] Profile S, and ONVIF [®] Profile T, specification at onvif.org	General Casing 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.
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	
Dimensions		
Weight	150 g (0.33 lb)	
Included accessories	Installation guide, Windows [®] decoder 1-user license	
Optional accessories	AXIS TM3812 Tamper Cover Black casing Smoked dome	

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

- 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 (ey@cryptsoft.com).

Environmental responsibility:

axis.com/environmental-responsibility