

AXIS M3116-LVE Network Camera

Affordable flat-faced 4 MP dome with IR

AXIS M3116-LVE is an affordable, flat-faced dome designed to suppress light reflections. This compact, IK08-rated camera features a wide-angle view in 4 MP video. It includes Forensic WDR, Lightfinder and built-in IR illumination for sharp video with clear colors even in challenging light or complete darkness. Additionally, it offers flexible installation for both indoor and outdoor surveillance. And, with its 3-axis camera-angle adjustment, it can be easily leveled and directed. It features enhanced security functionality, and Axis Zipstream with support for H.264/H.265 significantly reduces bandwidth and storage requirements without compromising image quality.

- > [4 MP video quality](#)
- > [Forensic WDR, Lightfinder and IR illumination](#)
- > [Flat-faced design suppressing light reflections](#)
- > [Zipstream supporting H.264 and H.265](#)
- > [Signed firmware and secure boot](#)



AXIS M3116-LVE Network Camera

Camera		Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, TCP, and SNMP trap MQTT publish Overlay text	
Image sensor	1/2.7" progressive scan RGB CMOS		
Lens	2.4 mm, F2.1 Horizontal field of view: 130° Vertical field of view: 72° Fixed iris, Fixed focus, IR corrected		
Day and night	Automatically removable infrared-cut filter		
Minimum illumination	Color: 0.19 lux at 50 IRE, F2.1 B/W: 0.04 lux at 50 IRE, F2.1 0 lux with IR illumination on		
Shutter speed	1/33500 s to 1/5 s		
Camera angle adjustment	Pan: ±180° Tilt: 0° to 60° (0° = lens directed at a right angle to camera base) Rotation: ±95° Can be directed in any direction and see the wall/ceiling		
System on chip (SoC)			
Model	ARTPEC-7		
Memory	1024 MB RAM, 512 MB Flash		
Video		Pixel counter, adjustable IR-illumination intensity	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG		
Resolution	2688x1512 to 320x240		
Frame rate	Up to 25/30 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/ABR/MBR H.264/H.265		
Multi-view streaming	Up to 2 individually cropped out view areas in full frame rate streaming		
Image settings	Compression, color saturation, brightness, sharpness, contrast, local contrast, white balance, day/night threshold, tone mapping, exposure control (including automatic gain control), exposure zones, Forensic WDR: up to 120 dB depending on scene, fine tuning of low-light behavior, defogging, dynamic text and image overlay, privacy masks, mirroring, rotation: 0°, 90°, 180°, 270° including Corridor Format		
Pan/Tilt/Zoom	Digital PTZ		
Audio			
Audio input/output	Two-way audio connectivity via the optional AXIS T61 Audio and I/O Interfaces with portcast technology		
Network		General	
Security	Password protection, IP address filtering, HTTPS ³ encryption, IEEE 802.1x (EAP-TLS) ³ network access control, Digest authentication, User access log, Centralized Certificate Management, brute force delay protection, signed firmware, secure boot		
Network protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ³ , TLS ³ , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP [®] , 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, SIP, 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 Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX.		
Event triggers	Analytics, Edge storage events, Virtual inputs through API MQTT subscribe		
Event actions	Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share, and email		
Built-in installation aids	Pixel counter, adjustable IR-illumination intensity		
Analytics			Casing IP66/IP67- and NEMA 4X-rated, IK08 impact-resistant casing Encapsulated electronics and captive screws (Torx 10) Color: white NCS S 1002-B For repainting instructions and impact on warranty, contact your Axis partner
Metadata	Event data: Producer reference, scenarios, trigger conditions		
Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, active tampering alarm Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap		
General			
Sustainability	PVC free		
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical: 4.6 W, Max.: 8.7 W		
Connectors	RJ45 10BASE-T/100BASE-TX PoE Audio and I/O connectivity via the optional AXIS T61 Audio and I/O Interfaces with portcast technology		
IR illumination	Power-efficient, long-life 850 nm IR LED. Range of reach 20 m (65 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) Start-up temperature: -20 °C to 50 °C (-4 °F to 122 °F) Humidity 10–100% RH (condensing)		
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)		
Approvals	EMC EN 55024, EN 55032 Class A, EN 55035, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, KC KN32 Class A, KC KN35, RCM AS/NZS CISPR 32 Class A, ICES-3(A)/NMB-3(A), VCCI Class A Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-78, IEC 60068-2-14, IEC 60068-2-6, IEC 60068-2-27 IEC/EN 62262 IK08, IEC/EN 60529 IP66/IP67, NEMA 250 Type 4X Safety IEC/EN/UL 60950-22, IEC/EN/UL 62368-1, IEC/EN 62471, IS 13252 Network NIST SP500-267, IPv6 USGv6		
Dimensions	Height: 94 mm (3.7 in) ø 101 mm (4.0 in)		
Weight	390 g (0.85 lb)		
Included accessories	Installation Guide, Windows decoder 1-user license, Torx [®] L-key, Connector guard, Cable gasket		
Optional accessories	AXIS T94B02D Pendant kit, AXIS T94B01P Conduit Back Box, AXIS T94B02M J-Box/Gang Box Plate, AXIS TM3807 Black Casing, Axis Mounts, AXIS Surveillance microSDXC™ Card, AXIS Weathershield Kit C, AXIS T61 Audio and I/O Interface Series For more accessories, see axis.com		
Video management software	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on axis.com/vms		
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, 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. (www.openssl.org), and cryptographic software written by Eric Young (ey@cryptsoft.com).*