

# 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

<b>Camera</b>		Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, TCP, and SNMP trap MQTT publish Overlay text
<b>Image sensor</b>	1/2.7" progressive scan RGB CMOS	
<b>Lens</b>	2.4 mm, F2.1 Horizontal field of view: 130° Vertical field of view: 72° Fixed iris, Fixed focus, IR corrected	
<b>Day and night</b>	Automatically removable infrared-cut filter	
<b>Minimum illumination</b>	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	
<b>Shutter speed</b>	1/33500 s to 1/5 s	
<b>Camera angle adjustment</b>	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	
<b>System on chip (SoC)</b>		
<b>Model</b>	ARTPEC-7	
<b>Memory</b>	1024 MB RAM, 512 MB Flash	
<b>Video</b>		
<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>Resolution</b>	2688x1512 to 320x240	
<b>Frame rate</b>	Up to 25/30 fps with power line frequency 50/60 Hz	
<b>Video streaming</b>	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	
<b>Multi-view streaming</b>	Up to 2 individually cropped out view areas in full frame rate	
<b>Image settings</b>	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	
<b>Pan/Tilt/Zoom</b>	Digital PTZ	
<b>Audio</b>		
<b>Audio input/output</b>	Two-way audio connectivity via the optional AXIS T61 Audio and I/O Interfaces with portcast technology	
<b>Network</b>		
<b>Security</b>	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	
<b>Network protocols</b>	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS <sup>a</sup> , 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, 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)	
<b>System integration</b>		
<b>Application Programming Interface</b>	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> Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX.	
<b>Event triggers</b>	Analytics, Edge storage events, Virtual inputs through API MQTT subscribe	
<b>Event actions</b>	Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share, and email	
<b>Built-in installation aids</b>	Pixel counter, adjustable IR-illumination intensity	
<b>Analytics</b>		
<b>Metadata</b>	<b>Object data:</b> Classes: humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates <b>Confidence, position</b> <b>Event data:</b> Producer reference, scenarios, trigger conditions	
<b>Applications</b>	<b>Included</b> 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 <a href="https://axis.com/acap">axis.com/acap</a>	
<b>General</b>		
<b>Casing</b>	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	
<b>Sustainability</b>	PVC free	
<b>Power</b>	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical: 4.6 W, Max.: 8.7 W	
<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX PoE Audio and I/O connectivity via the optional AXIS T61 Audio and I/O Interfaces with portcast technology	
<b>IR illumination</b>	Power-efficient, long-life 850 nm IR LED. Range of reach 20 m (65 ft) or more depending on the scene	
<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>	-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)	
<b>Storage conditions</b>	-40°C to 65°C (-40°F to 149 °F) Humidity 5-95% RH (non-condensing)	
<b>Approvals</b>	<b>EMC</b> 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 <b>Environment</b> 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 <b>Safety</b> IEC/EN/UL 60950-22, IEC/EN/UL 62368-1, IEC/EN 62471, IS 13252 <b>Network</b> NIST SP500-267, IPv6 USGv6	
<b>Dimensions</b>	Height: 94 mm (3.7 in) ø 101 mm (4.0 in)	
<b>Weight</b>	390 g (0.85 lb)	
<b>Included accessories</b>	Installation Guide, Windows decoder 1-user license, Torx <sup>®</sup> L-key, Connector guard, Cable gasket	
<b>Optional accessories</b>	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 <a href="https://axis.com">axis.com</a>	
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on <a href="https://axis.com/vms">axis.com/vms</a>	
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese	

---

**Warranty** 5-year warranty, see [axis.com/warranty](https://www.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 (eay@cryptsoft.com).*

Environmental responsibility:

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