# AXIS M4216–V Dome Camera
## Varifocal 4 MP dome with deep learning

The compact and discreet AXIS M4216-V delivers great images in challenging light conditions. With a deep learning processing unit (DLPU), it's possible to take advantage of intelligent applications based on deep learning on the edge. Furthermore, Axis Edge Vault protects your Axis device ID and simplifies authorization of Axis devices on your network. Designed to blend seamlessly into any environment, the camera can be repainted and offers a wide range of accessories for discreet monitoring. It features an HDMI port and offers the flexibility to add audio and I/O connectivity using AXIS T61 Audio and I/O Interface.

> Great image quality in 4 MP
> Varifocal lens with remote zoom and focus
> WDR and Lightfinder
> Support for analytics with deep learning
> HDMI output for public viewing monitors

# AXIS M4216–V Dome Camera

## Camera

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|---|---|
| **Image sensor** | 1/2.7" progressive scan RGB CMOS |
| **Lens** | Varifocal, 3–6 mm, F1.9 - 2.7<br>Horizontal field of view: 100°–45°<br>Vertical field of view: 72°–34°<br>Remote focus and zoom, fixed iris |
| **Day and night** | Automatic IR-cut filter |
| **Minimum illumination** | With Lightfinder:<br>**Color:** 0.18 lux at 50 IRE F2.0<br>**B/W:** 0.03 lux at 50 IRE F2.0 |
| **Shutter speed** | 1/37500 s to 1/5 s |
| **Camera angle adjustment** | Pan ±180°, tilt -40 to +65°, rotation ±105°<br>Can be directed in any direction and see the wall/ceiling |

## System on chip (SoC)

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| **Model** | CV25 |
| **Memory** | 1024 MB RAM, 512 MB Flash |
| **Compute capabilities** | Deep learning processing unit (DLPU) |

## Video

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| **Video compression** | H.264 (MPEG-4 Part 10/AVC) Main and High Profiles<br>H.265 (MPEG-H Part 2/HEVC) Main and High Profiles<br>Motion JPEG |
| **Resolution** | 2304x1728 to 320x240 |
| **Frame rate** | 25/30 fps with power line frequency 50/60 Hz |
| **Video streaming** | Multiple, individually configurable streams in H.264, H.265 and Motion JPEG<br>Axis Zipstream technology in H.264 and H.265<br>Controllable frame rate and bandwidth<br>VBR/MBR H.264/H.265<br>HDMI |
| **Multi-view streaming** | Up to 2 individually cropped out view areas in full frame rate |
| **HDMI output** | HDMI 1080p (16:9) @25/30 fps (50/60 Hz)<br>HDMI 720p (16:9) @50/60 fps (50/60 Hz) |
| **Image settings** | Compression, color, brightness, sharpness, contrast, white balance, exposure control, motion-adaptive exposure, WDR: up to 110 dB depending on scene, text and image overlay, mirroring of images, privacy mask<br>Rotation: 0°, 90°, 180°, 270°, including Corridor Format |
| **Pan/Tilt/Zoom** | Digital PTZ |

## Audio

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| **Audio input/output** | Two-way audio connectivity via optional AXIS T61 Audio and I/O Interfaces with portcast technology |

## Network

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| **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 with Axis device ID |
| **Supported protocols** | IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS[a], SSL/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, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, HDMI, LLDP, CDP, MQTT v3.1.1, Link-Local address (ZeroConf) |

## System integration

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| **Application Programming Interface** | Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at *axis.com*<br>One-click cloud connection<br>ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and ONVIF® Profile T, specification at *onvif.org* |
| **Event conditions** | Device status: above operating temperature, above or below operating temperature, below operating temperature, IP address removed, network lost, new IP address, system ready, within operating temperature<br>Edge storage: recording ongoing, storage disruption |

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| | I/O: manual trigger, virtual input, digital input via AXIS T61 Audio and I/O Interfaces with portcast technology<br>MQTT subscribe<br>MQTT subscribe<br>Scheduled and recurring: scheduled event<br>Video: live stream open |
| **Event actions** | MQTT publish<br>Notification: email, HTTP, HTTPS, TCP and SNMP trap<br>Overlay text, zoom preset, day/night mode<br>Pre- and post-alarm video or image buffering for recording or upload<br>Record video: SD card and network share<br>Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email<br>External output activation via AXIS T61 Audio and I/O Interfaces with portcast technology<br>MQTT publish |
| **Data streaming** | Event data |
| **Built-in installation aids** | Remote zoom, remote focus |

## Analytics

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| **AXIS Object Analytics** | **Object classes:** humans, vehicles (types: cars, buses, trucks, bikes)<br>**Trigger conditions:** line crossing, object in area<br>Up to 10 scenarios<br>Metadata visualized with color-coded bounding boxes<br>Polygon include/exclude areas<br>Perspective configuration<br>ONVIF Motion Alarm event |
| **Applications** | Included<br>AXIS Object Analytics<br>AXIS Face Detector, AXIS Video Motion Detection, active tampering<br>Support for AXIS Camera Application Platform enabling installation of third-party applications, see *axis.com/acap* |

## General

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| **Casing** | IP42 water- and dust-resistant, IK08 impact-resistant, polycarbonate and aluminum casing with hard-coated dome<br>Encapsulated electronics<br>Color: white NCS S 1002-B<br>For repainting instructions of casing and impact on warranty, contact your Axis partner. |
| **Sustainability** | PVC free, BFR/CFR free, 43% recycled plastics |
| **Power** | Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2<br>Typical 2.8 W, max 4.4 W |
| **Connectors** | RJ45 10BASE-T/100BASE-TX PoE<br>HDMI type D<br>Audio and I/O connectivity via AXIS T61 Audio and I/O Interfaces with portcast technology |
| **Storage** | Support for microSD/microSDHC/microSDXC card<br>Support for SD card encryption<br>Support for recording to network-attached storage (NAS)<br>For SD card and NAS recommendations see *axis.com* |
| **Operating conditions** | 0 °C to 45 °C (32 °F to 113 °F)<br>Humidity 10–85% RH (non-condensing) |
| **Storage conditions** | -40 °C to 65 °C (-40 °F to 149 °F)<br>Humidity 5–95% RH (non-condensing) |
| **Approvals** | **EMC**<br>CISPR 24, CISPR 35, EN 55032 Class A, EN 55035, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), KC KN32 Class A, KC KN35, RCM AS/NZS CISPR 32 Class A, VCCI Class A<br>**Safety**<br>IEC/EN/UL 62368-1, IS 13252<br>**Environment**<br>IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-6, IEC/EN 60529 IP42, IEC/EN 62262 IK08<br>**Network**<br>NIST SP500-267 |
| **Dimensions** | Height: 71 mm (2.8 in) |

|  | ø 121 mm (4.76 in) |
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| **Weight** | 350 g (0.77 lb) |
| **Included accessories** | Installation guide, Windows® decoder 1-user license |
| **Optional accessories** | AXIS TM3207 Plenum Recessed Mount<br>AXIS T61 Audio and I/O Interface Series<br>AXIS T94C01L Recessed Mount<br>AXIS T94C01U Universal Mount<br>AXIS T94C01M J-Box/Gang Box Plate<br>AXIS M42 Casing A Black 4P<br>AXIS M42 Smoked Dome A 4P<br>AXIS T91A33 Lighting Track Mount<br>AXIS T91A23 Tile Grid Ceiling Mount<br>AXIS TM3101 Pendant Wall Mount<br>AXIS Surveillance Cards |

|  | For more accessories, see *axis.com* |
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| **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 (eay@cryptsoft.com).*

Environmental responsibility:

*axis.com/environmental-responsibility*

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