

## **AXIS M4215-LV Dome Camera**

## Varifocal 2 MP dome with IR and deep learning

Featuring Lightfinder, WDR, and OptimizedIR, this compact and discreet dome delivers great image quality—day and night, even in low light. A deep learning processing unit (DLPU) lets you take advantage of intelligent analytics based on deep learning on the edge. Designed to blend into any environment, it can be repainted and offers a range of accessories for discreet monitoring. Plus, it features an HDMI port and the flexibility to add audio and I/O connectivity using AXIS T61 Series. Furthermore, Axis Edge Vault provides a hardware-based cybersecurity platform that safeguards the device.

- > Great image quality in 2 MP
- > Varifocal lens with remote zoom and focus
- > Lightfinder, WDR and OptimizedIR
- > Analytics with deep learning
- > HDMI output for public viewing monitors







# AXIS M4215-LV Dome Camera

Image section   17,2m   progressive can RGB CMOS	Camera			Device status: above operating temperature, above or below	
Verification of Verification		1/2.8" progressive scan RGB CMOS			
Portromate field of view: 83*-47*   View finding field of view: 83*-		· -			
Minimum flows distance: 1.5 m (56 in)  Day and night.  Minimum  Minimum forcus distance: 1.5 m (56 in)  Model CV3  Memory  Michael Minimum forcus distance: 1.5 m (56 in)  Minimum forcus distance: 1.5 m (56		Horizontal field of view: 93°-47°			
National part   Automatic Result filter   Month   Light England   Month   Month   Light England   Month   Mo				health issues detected I/O: manual trigger, virtual input MQTT: subscribe Scheduled and recurring: schedule Video: average bitrate degradation, day-night mode, tampering Day-night mode	
Minimum   With LightInder:   Minimum   With LightInder:   Minimum   Minimu	Day and night	· , , ,			
Sinter speed   1/25000 to 1/35   Sinter speed   Sinter spe		With Lightfinder:			
Smitter speech (1/250/03 to 10/15) and past of 1/250/03 to 10/15) and past of 1/250/03 to 10/15	illumination		Event actions		
Camera   Pan ± 1807, till ± 40 to ±65°, totation ±105° and distinctent   Came defrection and seet the wall/ceiling	Shutter speed	1/25000 s to 1/5 s			
Model   CV25   Memory   1024 MS RAM, S12 MB Flash				Overlay text Pre- and post-alarm video or image buffering for recording or	
Memory   1024 MB RAM, 512 MB Flash   Diploard of mages or video clips: ETP, SFTP, HTTP, HTTPS, network special compression   Page 1 (DLPU)	System on chip			The same	
Section   Compute capabilities	Model			SNMP traps: send, send while the rule is active	
Video   H. 264 (MPEG-4 Part 10/AVC) Main and High Profiles Motion JPEG   Haz 25 (MPEG-1 Part 2/HEVC) Main Profile Motio		1024 MB RAM, 512 MB Flash			
Video		Deep learning processing unit (DLPU)		WDR mode	
Resolution   1920x1080 to 320x240   1920x1080 to 320x240 to 320x240   1920x1080 to 320x240   1920x1080 to 320x240 to 320x240   1920x108	Video			Pixel counter, remote zoom and focus, level grid	
Motion   PEG			Analytics		
Frame rate   Up to 25/30 fps with power line frequency 50/60 Hz in H.264 and H.265		Motion JPEG	Applications	AXIS Object Analytics, AXIS Scene Metadata, AXIS Face Detector,	
Video streaming   Miltiple, individually configurable streams   Miltiple					
Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265  Multi-view streaming HDMI output HDMI 1080p (16:9) @25/30 Hz refresh rate HDMI 20p (16:9) @25/30 Hz refre		and H.265 <sup>a</sup>		AXIS People Counter AXIS Queue Monitor AXIS Queue Monitor AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap Object classes: humans, vehicles (types: cars, buses, trucks, bikes) Scenarios: line crossing, object in area, occupancy in area, time in area Up to 10 scenarios Other features: triggered objects visualized with color-coded bounding boxes Polygon include/exclude areas Perspective configuration	
Multi-view streaming	video streaming	Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth			
HDMI 1080p (16:9) @ 25/30 Hz refresh rate		2 individually cropped out view areas	Analytics		
Pay	HDMI output				
balance, exposure control, motion-adaptive exposure, MDR: up to 110 dB depending on scene, text and image overlay, mirroring of images, privacy mask Rotation: 0°, 90°, 180°, 270°, including Corridor Format  Pan/Tilt/Zoom  Pan/Tilt/Zoom  Digital PTZ  Audio Audio Audio Audio features through porteast technology: two-way audio input/output connectivity, voice enhancer  Network Network Network Protocols Joiffserv, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPPP°, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, STTP, CIFS/SMB, SMTP, including VAPIX® and Programming Interface  Application Programming Interface Open API for software integration, including VAPIX® and ONNIP® Profile G, M, S and 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.  Video manaagement systems  Discreen Controls Media depending on scene, text and image overlay, mirroring of finance, text and image overlay, mirroring of finance, bit including VAPIX® and Canada: CIS-3(A),NUMB-3(A) (Korea: KS C. 9835, KS C. 9832 Class A, EN 55035, EN 55032 Class A, EN 61000-6-1, EN 61000-6-2 USA: FCC Part 15 Subpart B Class A Canada: CIS-3(A),NUMB-3(A) Korea: KS C. 9835, KS C. 9832 Class A Australia/New Zealand: RCM AS/NZS CISPR 32 Class A Australia/New Zealand: RCM AS/NZS Class A Australia/New Zealand: RCM AS/N		Temporal filter (3D noise reduction)			
to 110 dB depending on scene, text and image overlay, mirroring of images, privacy mask Rotation: 0°, 90°, 180°, 270°, including Corridor Format  Pan/Tit/Zoom  Digital PTZ  Audio  Audio Audio	Image settings		AVIC Coope		
Audio Audio features through portcast technology: two-way audio connectivity, voice enhancer  Network Network Protocols 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP°, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, STTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Link-Local address (ZeroConf)  System integration Application Programming Interface Interface Notice over IP (VoIP) systems, peer to peer or integrated with Voice over IP (VoIP) systems, peer to peer or integrated with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX.  Video Tonscreen Prov, AXIS Camera Station Edge, AXIS Camera Station Prov, AXIS Camera Station Form Axis' partners available at axis.com/wms.  Network Noscreen Privacy masks Network Noscreen Privacy masks Network Noscreen Privacy masks Network Noscreen Prove and Axis Camera Station Edge, AXIS Camera Station Media clip IR illumination  Application Programsing Privacy masks Network Noscreen Privacy masks Noscreen Privacy masks Noscreen Privacy masks Network Noscreen Privacy masks Nosc		to 110 dB depending on scene, text and image overlay, mirroring of images, privacy mask		trucks, bikes), license plates  Object attributes: vehicle color, upper/lower clothing color,	
Audio Audio audio features through portcast technology: two-way audio input/output  Network Network Protocols  Network Protocols Network Protocols Network Protocols  Network Nist Separation Netwo	Pan/Tilt/Zoom	Digital PTZ	·		
Audio reatures through porteast technology: two-way audio input/output connectivity, voice enhancer  Network Network Network Protocols  Network Protocols  Network Protocols  Network Profice Network Protocols  Network Profice Network NIST SP500-267  Network Nist Sp600-8-2-1, let Ge0068-2-1, let Ge0068-2-2, let Ge0068-2-14, le	Audio				
Network  Network  Network  Network  Network  Pv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS <sup>C</sup> , TLS <sup>d</sup> , QoS Layer a DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTSP, RTSP, STRP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Link-Local address (ZeroConf)  System integration  Application Programming Interface  Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at oxis.com ONVIF® Profile G, M, S and T, specification at onvif.org Support for Session Initiation Protocol (SIP) for integration with SIP/PBX.  Video Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station Systems  Onscreen Frivacy masks  Onscreen Privacy masks  Onscreen Privacy masks  Media clip IR illumination  EN 61000-6-1, EN 61000-6-2 USA FCC Part 15 Subpart B Class A Canada: ICES-3(A)/NMB-3(A)  Canada: ICES-3(A)/NMB-3(A)  Korea: KS C 9835, KS C 9832 Class A Australia/New Zealand: RCM AS/NZS CISPR 32 Class A Papan: VCCI Class A Australia/New Zealand: RCM AS/NZS CISPR 32 Class A Australia/New Zealand: RCM AS/NZ					
Network protocols   IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPSC, TLSd, 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, STTP, RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Link-Local address (ZeroConf)      System integration   Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com ONVIF® Profile G, M, S and 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.   One-cink cloud connection Pro, AXIS Camera Station Edge, Edge Station Station Edge, Edge Station Edge Edge Station Edge Edge Station Edge Edge Edge Edge Edge Edge Edge Edge		Connectivity, voice enhances		EN 61000-6-1, EN 61000-6-2	
protocols  3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP*, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SSH, LLDP, CDP, MQTT v3.1.1, 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, M, S and 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.  Video Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station Edge, AXIS Camera Station From Axis' partners available at axis.com/vms.  Onscreen controls  Privacy masks  Media clip IR illumination  Korea: KS C 9835, KS C 9832 Class A Australia/New Zealand: RCM AS/NZS Class A Aus		IPv4 IPv6 USGv6 ICMPv4/ICMPv6 HTTP HTTPSC TLSd OoS Laver			
RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SSH, LLDP, CDP, MQTT v3.1.1, 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, M, S and 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.  Video Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station 5, and video management systems from Axis' partners available at axis.com/vms.  Onscreen Controls  RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Link-Local address (ZeroConf)  Safety IEC/EN/UL 62368-1, IC AVI/CSA C22.2 No. 62368-1, IS 13252  Environment IEC 60068-2-2, IEC 60068-2-2, IEC 60068-2-14,		3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®,		Korea: KS C 9835, KS C 9832 Class A	
ARP, SSH, LLDP, CDP, MQTT v3.1.1, Link-Local address (ZeroConf)  System integration  Application Programming AXIS Camera Application Platform; specifications at axis.com One-click cloud connection ONVIF® Profile G, M, S and T, specification at onvii.org Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX.  Video Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station 5, and video management systems  Onscreen controls  ARP, SSH, LLDP, CDP, MQTT v3.1.1, Link-Local address (ZeroConf)  Safety IEC/EN/UL 62368-1, CAN/CSA C22.2 No. 62368-1, IS 13252  IEC/EN 604-11  IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-2, IEC 60068-2-14, IS 140068-20  IEC 60068-2-14, IEC 60068-2-14, IEC 60068-2-14, IS 140068-20  IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-14					
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ONVIF® Profile G, M, S and T, specification at <i>onvit.org</i> Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX.  Video Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station Pro, AXIS Camera Station Fro, AXIS Camera Station Pro, AXIS Camera Station Fro, AXIS Camera Station Fro, AXIS Camera Station S, and video management software from Axis' partners available at <i>axis.com/vms</i> .  Onscreen Controls Privacy masks Media clip IR illumination  Cybersecurity ETSI EN 303 645, BSI IT Security Label  Cybersecurity  Edge security  Software: Signed OS, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 OpenID Authorization Code Flow for centralized ADFS account management, password protection, AES-XTS-Plain64 256bit SD card encryption  Hardware: Axis Edge Vault cybersecurity platform Secure element (CC EAL 6+), system-on-chip security (TEE), Axis device ID, secure keystore, signed video, secure boot, encrypted		One-click cloud connection ONVIF® Profile G, M, S and T, specification at <i>onvif.org</i> Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with	Notwork	· · · · · · · · · · · · · · · · · · ·	
Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX.  Video     Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station 5, and video management systems  Onscreen     Conscreen     Compatible with AXIS Camera Station Edge, AXIS Camera Station Code Flow for centralized ADFS account management, password protection, AES-XTS-Plain64 256bit SD card encryption  Onscreen     Compatible with AXIS Camera Station Edge, AXIS Camera Station Code Flow for centralized ADFS account management, password protection, AES-XTS-Plain64 256bit SD card encryption  Onscreen     Compatible with AXIS Camera Station Edge, AXIS Camera Station Code Flow for centralized ADFS account management, password protection, AES-XTS-Plain64 256bit SD card encryption  Hardware: Axis Edge Vault cybersecurity platform Secure element (CC EAL 6+), system-on-chip security (TEE), Axis device ID, secure keystore, signed video, secure boot, encrypted filesystem (AFS-XTS-Plain64 256bit)					
SIP/PBX.  Video     Compatible with AXIS Camera Station Edge, AXIS Camera Station     Pro, AXIS Camera Station 5, and video management systems     Privacy masks     Media clip     IR illumination  Software: Signed OS, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 OpenID Authorization Code Flow for centralized ADFS account management, password protection, AES-XTS-Plain64 256bit SD card encryption  Hardware: Axis Edge Vault cybersecurity platform Secure element (CC EAL 6+), system-on-chip security (TEE), Axis device ID, secure keystore, signed video, secure boot, encrypted filesystem (AFS-XTS-Plain64 256bit)				ETSI EN 303 645, BSI IT SECURITY LAUCI	
Video Compatible with AXIS Camera Station Edge, AXIS Camera Station management systems Pro, AXIS Camera Station 5, and video management software systems from Axis' partners available at axis.com/vms.  Onscreen Privacy masks Media clip Media clip IR illumination  Media clip Gescure element (CC EAL 6+), system-on-chip security (TEE), Axis device ID, secure keystore, signed video, secure boot, encrypted filesystem (AFS-XTS-Plain64 256bit)				Software: Signed OS brute force delay protection digest	
Onscreen Privacy masks Hardware: Axis Edge Vault cybersecurity platform Secure element (CC EAL 6+), system-on-chip security (TEE), Axis IR illumination device ID, secure keystore, signed video, secure boot, encrypted filesystem (AFS-XTS-Plain64 256hit)	management	Pro, AXIS Camera Station 5, and video management software	Euge security	authentication and OAuth 2.0 RFC6749 OpenID Authorization Code Flow for centralized ADFS account management, password	
controls Media clip Secure element (CC EAL 6+), system-on-chip security (TEE), Axis IR illumination device ID, secure keystore, signed video, secure boot, encrypted flexystem (AFS_XTS_Plain64_256hit)				Hardware: Axis Edge Vault cybersecurity platform	
Tilesystem (AES-AIS-Mainte 2560it)		Media clip		Secure element (CC EAL 6+), system-on-chip security (TEE), Ax device ID, secure keystore, signed video, secure boot, encrypted	
Event conditions Application	Event conditions	Application		IIICSYSTEIII (ALD-AID-I Idiii04 2000IL)	

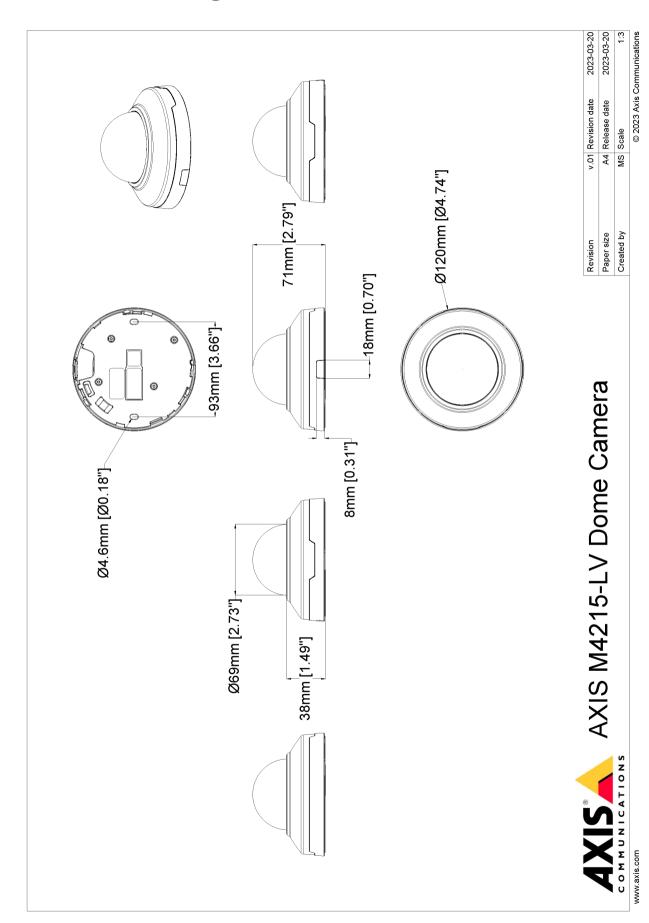
Network security	IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2) <sup>e</sup> , IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR, HTTPS/HSTS <sup>f</sup> , TLS v1.2/v1.3 <sup>g</sup> , Network Time Security (NTS), X.509 Certificate PKI, host-based firewall		
Documentation	AXIS OS Hardening Guide Axis Vulnerability Management Policy Axis Security Development Model AXIS OS Software Bill of Material (SBOM) To download documents, go to axis.com/support/cybersecurity/resources To read more about Axis cybersecurity support, go to axis.com/cybersecurity		
General			
Casing	IP42 ingress protection, IK08 impact-resistant, polycarbonate and aluminum casing with hard-coated dome Encapsulated electronics Color: white NCS S 1002-B For repainting instructions of casing and impact on warranty, cont		
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 4.8 W, max 9.5 W		
Connectors	RJ45 10BASE-T/100BASE-TX PoE HDMI type D Audio: Audio and I/O connectivity via portcast technology		
IR illumination	OptimizedIR with power-efficient, long-life 850 nm IR LEDs Range of reach 20 m (65 ft) or more depending on the scene		
Storage	Support for microSD/microSDHC/microSDXC card Recording to network-attached storage (NAS) For SD card and recorder recommendations, see axis.com		
Operating conditions	0 °C to 45 °C (32 °F to 113 °F) Humidity 10–85% RH (non-condensing)		
Storage conditions	-30 °C to 65 °C (-22 °F to 149 °F) Humidity 5–95% RH (non-condensing)		
Dimensions	Height: 71 mm (2.8 in) ø 120 mm (4.72 in)		
Weight	366 g (0.81 lb)		
Box content	Camera, installation guide, owner authentication key, virtual client license for H.264/H.265		
Optional accessories	AXIS T8415 Wireless Installation Tool AXIS TM4201 Recessed Mount AXIS TM3207 Recessed Mount AXIS T94C01L Recessed Mount AXIS T94C01U Universal Mount AXIS T94C01M J-Box/Gang Box Plate AXIS M42 Casing A Black 4P AXIS M42 Smoked Dome A 4P AXIS T91A33 Lighting Track Mount		

	AXIS T91A23 Tile Grid Ceiling Mount AXIS TM4101 Pendant Kit AXIS TM3101 Pendant Wall Mount AXIS Surveillance Cards For more accessories, go to axis.com/products/axis-m4215-lv#accessories				
System tools	AXIS Site Designer, AXIS Device Manager, product selector, accessory selector, lens calculator Available at axis.com				
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese				
Warranty	5-year warranty, see axis.com/warranty				
Part numbers	Available at axis.com/products/axis-m4215-lv#part-numbers				
Sustainability					
Substance control	PVC free, BFR/CFR free in accordance with JEDEC/ECA Standard JS709 RoHS in accordance with EU RoHS Directive 2011/65/EU/ and EN 63000:2018 REACH in accordance with (EC) No 1907/2006. For SCIP UUID, see echa.europa.eu				
Materials	Renewable carbon-based plastic content: 40.3% (recycled) Screened for conflict minerals in accordance with OECD guidelines To read more about sustainability at Axis, go to axis.com/about-axis/sustainability				
Environmental responsibility	axis.com/environmental-responsibility Axis Communications is a signatory of the UN Global Compact, read more at unglobalcompact.org				
a Reduced frame rate in Motion IPEG					

Reduced frame rate in Motion JPEG
We recommend a maximum of 3 unique video streams per camera or channel, for ptimized user experience, network bandwidth, and storage utilization. A unique ideo stream can be served to many video clients in the network using multicast or inicast transport method via built-in stream reuse functionality. his product includes software developed by the OpenSSL Project for use in the OpenSSL project for

OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).
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).
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# **Dimension drawing**



## Detect, Observe, Recognize, Identify (DORI)

	DORI definition	Distance (wide)	Distance (tele)
Detect	25 px/m (8 px/ft)	48.78 m (160.0 ft)	92.23 m (302.5 ft)
Observe	63 px/m (19 px/ft)	19.34 m (63.44 ft)	36.59 m (120.0 ft)
Recognize	125 px/m (38 px/ft)	9.72 m (31.9 ft)	18.43 m (60.45 ft)
Identify	250 px/m (76 px/ft)	4.81 m (15.8 ft)	9.19 m (30.1 ft)

The DORI values are calculated using pixel densities for different use cases as recommended by the EN-62676-4 standard. The calculations use the center of the image as the reference point and consider lens distortion. The possibility to recognize or identify a person or object depends on factors such as object motion, video compression, lighting conditions, and camera focus. Use margins when planning. The pixel density varies across the image, and the calculated values can differ from the distances in the real world.

www.axis.com T10191280/EN/M15.2/2502

## Highlighted capabilities

### **AXIS Object Analytics**

AXIS Object Analytics is a preinstalled, multifeatured video analytics that detects and classifies humans, vehicles, and types of vehicles. Thanks to Al-based algorithms and behavioral conditions, it analyzes the scene and their spatial behavior within – all tailored to your specific needs. Scalable and edge-based, it requires minimum effort to set up and supports various scenarios running simultaneously.

#### Axis Edge Vault

Axis Edge Vault is the hardware-based cybersecurity platform that safeguards the Axis device. It forms the foundation that all secure operations depend on and offer features to protect the device's identity, safeguard its integrity and protect sensitive information from unauthorized access. For instance, secure boot ensures that a device can boot only with signed OS, which prevents physical supply chain tampering. With signed OS, the device is also able to validate new device software before accepting to install it. And the secure keystore is the critical building-block for protecting cryptographic information used for secure communication (IEEE 802.1X, HTTPS, Axis device ID, access control keys etc.) against malicious extraction in the event of a security breach. The secure keystore and secure connections are provided through a Common Criteria or FIPS 140 certified hardware-based cryptographic computing module.

Furthermore, signed video ensures that video evidence can be verified as untampered. Each camera uses its unique video signing key, which is securely stored in the secure keystore, to add a signature into the video stream allowing video to be traced back to the Axis camera from where it originated. To read more about Axis Edge Vault, go to axis.com/solutions/edge-vault.

### Lightfinder

The Axis Lightfinder technology delivers high-resolution, full-color video with a minimum of motion blur even in near darkness. Because it strips away noise, Lightfinder makes dark areas in a scene visible and captures details in very low light. Cameras with Lightfinder discern color in low light better than the human eye. In surveillance, color may be the critical factor to identify a person, an object, or a vehicle.

#### **OptimizedIR**

Axis OptimizedIR provides a unique and powerful combination of camera intelligence and sophisticated LED technology, resulting in our most advanced camera-integrated IR solutions for complete darkness. In our pan-tilt-zoom (PTZ) cameras with OptimizedIR, the IR beam automatically adapts and becomes wider or narrower as the camera zooms in and out to make sure that the entire field of view is always evenly illuminated.

#### **Zipstream**

The Axis Zipstream technology preserves all the important forensic in the video stream while lowering bandwidth and storage requirements by an average of 50%. Zipstream also includes three intelligent algorithms, which ensure that relevant forensic information is identified, recorded, and sent in full resolution and frame rate.

For more information, see axis.com/glossary

