

## AXIS P8815-2 3D People Counter

Complete, sophisticated 3D people counter

Combining 3D imaging software and hardware in one device, this device counts people in both directions simultaneously and can also estimate occupancy levels in real-time. It can also detect tailgating and direction and notify you if more than one person enters within a set time interval, or if people move in the wrong direction. The device generates a 3D depth map for reliable counting even in challenging conditions. Data from the counter helps you evaluate site performance and analyze visitor trends, allowing you to make informed decisions to optimize operational efficiency. For wide area coverage, it's easy to connect two counters.

- > 3D people counting
- > Integrated software and hardware
- > Optimized for challenging conditions
- > Estimate occupancy levels
- > Gain insights into visitor trends







## AXIS P8815-2 3D People Counter

Functionality Bi-directional counting.   Estimating occupancy. Detecting tailgating.   Detecting wrong-way passages. Flexible counting area (for example for revolving doors).   Supports wide entrances by using two counters. Video stream anonymization.   Excludes objects below ~110 cm (43 in)	Application	
Estimating occupancy. Detecting wrong-way passages. Flexible counting area (for example for revolving doors). Supports wide entrances by using two counters. Video stream anonymization. Excludes objects below -110 cm (43 in) Configurable events based on occupancy and number of passages. Automatic upload of counting data to separately sold AXIS Store Reporter. Upload to third-party software through API. Counting data stored up to 90 days.ConfigurationWeb configuration interface includedCompute platformEdgeScenariosTypical applicationsMounting height 250 cm to 600 cm (98 in to 236 in)Counting-area coverageMaximum size of counting area when mounted at: 250 cm (98 in): 199 x 46 cm (78 x 18 in) 300 cm (1157 in): 400 x 225 cm (157 x 28 in) 600 cm (236 in): 400 cm (157 x 28 in) 600 cm (236 in): 400 cm (157 x 28 in) 600 cm (236 in): 400 x 225 cm (157 x 89 in) 600 cm (236 in): 400 x 225 cm (157 x 89 in) 600 cm (236 in): 400 x 225 cm (157 x 89 in) 600 cm (236 in): 400 x 225 cm (157 x 89 in)Camerce Image sensor1/2.8" progressive scan RGB CMOSLens ElseFixed iris 2.8 mm, F2.2Minimum Video5 luxVideoH264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEGNetwork ProfilesMultiple, individually configurable streams in H.264 and Motion JPEGVideo streaming Profiles in 1920x1080 HDV 1080p to 160x90Frame rate anagementNetwork Profiles Cortol, user access log, centralized certificate managementNetwork Profiles Cortol, user access log, centralized certificate managementNetwork Profiles Osiger 2 Discovery 104/204 ME Prof	Application	Bi-directional counting
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300 cm (118 in): 306 x 100 cm (120 x 39 in) 400 cm (157 in): 400 x 208 cm (157 x 82 in) 500 cm (197 in): 400 x 225 cm (157 x 89 in)ComerceImage sensor1/2.9" progressive scan RGB CM0SLensFixed iris 2.8 mm, F2.2Minimum illumination5 luxShutter speed1/28000 s to 2 s with 50 Hz 1/33500 s to 2 s with 60 HzSystem on chip (SoC)ModelARTPEC-6Memory1024 MB RAM, 512 MB FlashVideo compressionH.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles compressionMotion JPEGResolutionResolution1920x1080 HDIV 1080p to 160x90Frame rate30/25 fps (60/50 Hz)Video streaming Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264Network protocolsIP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, user access log, centralized certificate managementNetwork protocolsIP v4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS <sup>a</sup> , Bonjour), UPnP <sup>a</sup> , SMMP v1/v2/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, STTP, STTP, CFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>a</sup> , SMTP v1/v2/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, STTP, CFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>a</sup> , SMTP v1/v2/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTP, RTP, STTP, STTP, CFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>a</sup> , SMTP v1/v2/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTP, RTP, STTP, STTP, CFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>a</sup> , SMTP v1/v2/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTP, RTP, STTP, STTP, CFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>a</sup> , SMTP v1/v2/v3 (MIB-II),		
500 cm (197 in): 400 x 225 cm (157 x 89 in) 600 cm (236 in): 400 x 225 cm (157 x 89 in)   Camera   Image sensor 1/2.9" progressive scan RGB CMOS   Lens Fixed iris 2.8 mm, F2.2   Minimum illumination 5 lux   Shutter speed 1/28000 s to 2 s with 50 Hz 1/33500 s to 2 s with 60 Hz   System on chip (SoC) Model   Mdel ARTPEC-6   Memory 1024 MB RAM, 512 MB Flash   Video H264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Compression   Motion JPEG Resolution   Resolution 1920x1080 HDTV 1080p to 160x90   Frame rate 30/25 fps (60/50 Hz)   Video streaming Multiple, individually configurable streams in H.264 and Motion JPEG   Resolution 1920x1080 HDTV 1080p to 160x90   Frame rate 30/25 fps (60/50 Hz)   Video streaming Multiple, individually configurable streams in H.264 and Motion JPEG   Resolution 1920x1080 HDTV 1080p to 160x90   Frame rate 30/25 fps (60/50 Hz)   Video streaming Multiple, individually configurable streams in H.264 and Motion JPEG   Security IP address filtering, HTTPS <sup>3</sup> encryption, IEEE 802.1X <sup>3</sup> network acccess control, user access log, centralized certificate	coverage	300 cm (118 in): 306 x 100 cm (120 x 39 in)
600 cm (236 in): 400 x 225 cm (157 x 89 in)   Commerci   Image sensor 1/2.9" progressive scan RGB CMOS   Lens Fixed iris   2.8 mm, F2.2 Minimum   Shutter speed 1/28000 s to 2 s with 50 Hz   1/33500 s to 2 s with 60 Hz System on chip (SoC)   Model ARTPEC-6   Memory 1024 MB RAM, 512 MB Flash   Video H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG   Resolution 1920x1080 HDTV 1080p to 160x90   Frame rate 30/25 fps (60/50 Hz)   Video streaming Multiple, individually configurable streams in H.264 and Motion JPEG   Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264   Network Security IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, user access log, centralized certificate management   Network IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS <sup>a</sup> , TCP, ODHCPv4/v6, SSH, LLDP, CDP, MOTT v3.1.1, Syslog, Link-Local address (ZeroConf)   System integration Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specification at anvis.com ONVIF® Profile G and ONVIF® Profile S, specification at anvis.com ONVIF® Profile G and ONVIF® Profile S, specification at anvis.com ONVIF® Profile G and ONVIF® Profile S, s		
Image sensor 1/2.9" progressive scan RGB CMOS   Lens Fixed iris   2.8 mm, F2.2 Minimum   Shutter speed 1/28000 s to 2 s with 50 Hz   1/33500 s to 2 s with 60 Hz 1/33500 s to 2 s with 60 Hz   System on chip (SoC) Model   Memory 1024 MB RAM, 512 MB Flash   Video H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles compression   Motion JPEG Resolution   Resolution 1920x1080 HDTV 1080p to 160x90   Frame rate 30/25 fps (60/50 Hz)   Video streaming Multiple, individually configurable streams in H.264 and Motion JPEG   Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264   Network IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, user access log, centralized certificate management   Network IP4, 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), UPP <sup>e°</sup> , SNMP v1/v2c/3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)   System integration Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specification at <i>axis.com</i> ONVIF® Profile G and ONVIF® Profile S, specification at <i>axis.com</i> O		
Lens Fixed iris 2.8 mm, F2.2   Minimum illumination 5 lux   Shutter speed 1/28000 s to 2 s with 50 Hz 1/33500 s to 2 s with 60 Hz   System on chip (SoC)   Model ARTPEC-6   Memory 1024 MB RAM, 512 MB Flash   Video H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles compression   Motion JPEG Resolution   Resolution 1920x1080 HDTV 1080p to 160x90   Frame rate 30/25 fps (60/50 Hz)   Video streaming Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264   Network Security   IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, user access log, centralized certificate management   Network IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTP <sup>3</sup> , TLS <sup>a</sup> , QoS Layer 3 Diffserv, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>a</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SSH, LLDP, CDP, MOIT v3.1.1, Syslog, Link-Local address (ZeroConf)   System integrettion Open API for software integration, including VAPIX <sup>a</sup> and AXIS Camera Application Platform; specifications at <i>axis.com</i> ONVIF <sup>a</sup> Profile G and ONVIF <sup>a</sup> Profile S, specification at <i>avis.com</i> ONVIF <sup>a</sup> Profile G and ONVIF <sup>a</sup> Profile S, specif		
2.8 mm, F2.2   Minimum illumination 5 lux   Shutter speed 1/28000 s to 2 s with 50 Hz 1/33500 s to 2 s with 60 Hz   System on chip (SoC)   Model ARTPEC-6   Memory 1024 MB RAM, 512 MB Flash   Video H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles compression   Motion JPEG Resolution   Resolution 1920x1080 HDTV 1080p to 160x90   Frame rate 30/25 fps (60/50 Hz)   Video streaming Multiple, individually configurable streams in H.264 and Motion JPEG   Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264   Network IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, user access log, centralized certificate management   Network IP v4, 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), UPP <sup>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, CT, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)   System integration Programming Interface Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at axis.com ONVIF <sup>®</sup> Profile G and ONVIF <sup>®</sup> Profile S, specification at onvif.org   Event conditions Analytics, external input, edge stor	-	
illumination   Shutter speed 1/28000 s to 2 s with 50 Hz 1/33500 s to 2 s with 60 Hz   System on chip (SoC)   Model ARTPEC-6   Memory 1024 MB RAM, 512 MB Flash   Video H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG   Resolution 1920x1080 HDTV 1080p to 160x90   Frame rate 30/25 fps (60/50 Hz)   Video streaming Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264   Network IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, user access log, centralized certificate management   Network IP address filtering, HTTPS <sup>a</sup> SNMP v1/v2/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)   System integraction Programming Interface Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <i>axis.com</i> ONVIF® Profile G and ONVIF® Profile S, specification at <i>anvif.org</i> Event conditions Analytics, external input, edge storage events, virtual inputs through API	Lens	
1/33500 s to 2 s with 60 Hz   System on chip (SoC)   Model ARTPEC-6   Memory 1024 MB RAM, 512 MB Flash   Video H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles compression   Motion JPEG Motion JPEG   Resolution 1920x1080 HDTV 1080p to 160x90   Frame rate 30/25 fps (60/50 Hz)   Video streaming Multiple, individually configurable streams in H.264 and Motion JPEG   Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264   Network IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, user access log, centralized certificate management   Network IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, user access log, centralized certificate management   Network IP v4, 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>a</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)   System integration Open API for software integration, including VAPIX <sup>a</sup> and AXIS Camera Application Platform; specifications at axis.com ONVIF <sup>ab</sup> Profile G and ONVIF <sup>ab</sup> Profile S, specification at onvif.org   Event conditions Analytics, external input, edge storage events, virtual i		5 lux
Model ARTPEC-6   Memory 1024 MB RAM, 512 MB Flash   Video H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles compression   Motion JPEG Metion JPEG   Resolution 1920x1080 HDTV 1080p to 160x90   Frame rate 30/25 fps (60/50 Hz)   Video streaming Multiple, individually configurable streams in H.264 and Motion JPEG   Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264   Network IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, user access log, centralized certificate management   Network IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, user access log, centralized certificate management   Network IP v4, 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>a</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)   System integration Open API for software integration, including VAPIX <sup>a</sup> and AXIS Camera Application Platform; specifications at <i>axis.com</i> ONVIF <sup>a</sup> Profile G and ONVIF <sup>a</sup> Profile S, specification at <i>onvif.org</i> Event conditions Analytics, external input, edge storage events, virtual inputs through API	Shutter speed	
Memory 1024 MB RAM, 512 MB Flash   Video H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles compression   Motion JPEG Motion JPEG   Resolution 1920x1080 HDTV 1080p to 160x90   Frame rate 30/25 fps (60/50 Hz)   Video streaming Multiple, individually configurable streams in H.264 and Motion JPEG   Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264   Network IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, user access log, centralized certificate management   Network protocols IP 4ddress filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, user access log, centralized certificate management   Network protocols IP 4ddress filtering, HTTPS <sup>a</sup> , TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)   System integration Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at axis.com ONVIF <sup>®</sup> Profile G and ONVIF <sup>®</sup> Profile S, specification at onvif.org   Event conditions Analytics, external input, edge storage events, virtual inputs through API	System on chip	(SoC)
Video   Video H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles   Compression Motion JPEG   Resolution 1920x1080 HDTV 1080p to 160x90   Frame rate 30/25 fps (60/50 Hz)   Video streaming Multiple, individually configurable streams in H.264 and Motion JPEG   Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264   Network IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, user access log, centralized certificate management   Network IP v4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS <sup>a</sup> , TLS <sup>a</sup> , OoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>a</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)   System integration Open API for software integration, including VAPIX <sup>a</sup> and AXIS Camera Application Platform; specifications at <i>axis.com</i> ONVIF <sup>a</sup> Profile G and ONVIF <sup>a</sup> Profile S, specification at <i>onvif.org</i> Event conditions Analytics, external input, edge storage events, virtual inputs through API	Model	
Video compression H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG   Resolution 1920x1080 HDTV 1080p to 160x90   Frame rate 30/25 fps (60/50 Hz)   Video streaming Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264   Network IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, user access log, centralized certificate management   Network protocols IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS <sup>a</sup> , TLS <sup>a</sup> , OoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>*</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSP5, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)   System integration Programming Interface Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <i>axis.com</i> ONVIF <sup>®</sup> Profile G and ONVIF <sup>®</sup> Profile S, specification at <i>onvif.org</i> Event conditions Analytics, external input, edge storage events, virtual inputs through API	•	1024 MB RAM, 512 MB Flash
compression   Motion JPEG     Resolution   1920x1080 HDTV 1080p to 160x90     Frame rate   30/25 fps (60/50 Hz)     Video streaming   Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264     Network   IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, user access log, centralized certificate management     Network   IP v4, 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>a</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)     System integration   Open API for software integration, including VAPIX <sup>a</sup> and AXIS Camera Application Platform; specifications at <i>axis.com</i> ONVIF <sup>a</sup> Profile G and ONVIF <sup>a</sup> Profile S, specification at <i>onvif.org</i> Event conditions   Analytics, external input, edge storage events, virtual inputs through API		LLOCA (MDEC. A Devt 10/AV/C) Describes Main and Llick Durfler
Frame rate 30/25 fps (60/50 Hz)   Video streaming Multiple, individually configurable streams in H.264 and Motion JPEG   Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264   Network IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, user access log, centralized certificate management   Network IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, user access log, centralized certificate management   Network 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>a</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)   System integration Open API for software integration, including VAPIX <sup>a</sup> and AXIS Camera Application Platform; specifications at <i>axis.com</i> ONVIF <sup>a</sup> Profile G and ONVIF <sup>a</sup> Profile S, specification at <i>onvif.org</i> Event conditions Analytics, external input, edge storage events, virtual inputs through API		
Video streaming Multiple, individually configurable streams in H.264 and Motion JPEG   Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264   Network IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, user access log, centralized certificate management   Network IP v4, 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>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)   System integration Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <i>axis.com</i> ONVIF <sup>®</sup> Profile G and ONVIF <sup>®</sup> Profile S, specification at <i>onvif.org</i> Event conditions Analytics, external input, edge storage events, virtual inputs through API	Resolution	1920x1080 HDTV 1080p to 160x90
JPEG   Axis Zipstream technology in H.264   Controllable frame rate and bandwidth   VBR/MBR H.264   Network   Security IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, user access log, centralized certificate management   Network IP v4, 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>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RISPS, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)   System integration Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <i>axis.com</i> ONVIF <sup>®</sup> Profile G and ONVIF <sup>®</sup> Profile S, specification at <i>onvif.org</i> Event conditions Analytics, external input, edge storage events, virtual inputs through API	Frame rate	30/25 fps (60/50 Hz)
Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264   Network   Security IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, user access log, centralized certificate management   Network protocols IP v4, 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>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)   System integration Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <i>axis.com</i> ONVIF <sup>®</sup> Profile G and ONVIF <sup>®</sup> Profile S, specification at <i>onvif.org</i> Event conditions Analytics, external input, edge storage events, virtual inputs through API	Video streaming	
Controllable frame rate and bandwidth VBR/MBR H.264   Network   Security IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, user access log, centralized certificate management   Network protocols IP v4, 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>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)   System integration Programming Interface Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <i>axis.com</i> ONVIF <sup>®</sup> Profile G and ONVIF <sup>®</sup> Profile S, specification at <i>onvif.org</i> Event conditions Analytics, external input, edge storage events, virtual inputs through API		
Network     Security   IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, user access log, centralized certificate management     Network protocols   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>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)     System integration   Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <i>axis.com</i> ONVIF <sup>®</sup> Profile G and ONVIF <sup>®</sup> Profile S, specification at <i>onvif.org</i> Event conditions   Analytics, external input, edge storage events, virtual inputs through API		Controllable frame rate and bandwidth
Security IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, user access log, centralized certificate management   Network protocols 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>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, RTP, RTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)   System integration Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <i>axis.com</i> ONVIF <sup>®</sup> Profile G and ONVIF <sup>®</sup> Profile S, specification at <i>onvif.org</i> Event conditions Analytics, external input, edge storage events, virtual inputs through API	Network	v Bry W Bry
access control, user access log, centralized certificate management   Network protocols 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>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)   System integration Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <i>axis.com</i> ONVIF <sup>®</sup> Profile G and ONVIF <sup>®</sup> Profile S, specification at <i>onvif.org</i> Event conditions Analytics, external input, edge storage events, virtual inputs through API		IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network
protocols   TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)     System integration Programming Interface   Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <i>axis.com</i> ONVIF <sup>®</sup> Profile G and ONVIF <sup>®</sup> Profile S, specification at <i>onvif.org</i> Event conditions   Analytics, external input, edge storage events, virtual inputs through API	-	access control, user access log, centralized certificate management
System integration     Application Programming Interface   Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <i>axis.com</i> ONVIF® Profile G and ONVIF® Profile S, specification at <i>onvif.org</i> Event conditions   Analytics, external input, edge storage events, virtual inputs through API		TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local
Application Programming Interface   Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <i>axis.com</i> ONVIF® Profile G and ONVIF® Profile S, specification at <i>onvif.org</i> Event conditions   Analytics, external input, edge storage events, virtual inputs through API	System integra	· · ·
Programming Interface   AXIS Camera Application Platform; specifications at axis.com ONVIF® Profile G and ONVIF® Profile S, specification at onvif.org     Event conditions   Analytics, external input, edge storage events, virtual inputs through API		
through API	Programming	AXIS Camera Application Platform; specifications at axis.com
	Event conditions	Analytics, external input, edge storage events, virtual inputs

Event actions	Record video: network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, TCP and SNMP trap Overlay text MQTT publish
Data streaming	Event data
Cybersecurity	
Edge security	Software: Signed firmware, brute force delay protection, digest authentication, password protection, AES-XTS-Plain64 256bit SD card encryption Hardware: Secure boot
Network security	IEEE 802.1X (EAP-TLS) <sup>a</sup> , IEEE 802.1AR, HTTPS/HSTS <sup>a</sup> , TLS v1.2/v1.3 <sup>a</sup> , Network Time Security (NTS), X.509 Certificate PKI, IP address filtering
Documentation	AXIS OS Hardening Guide Axis Vulnerability Management Policy Axis Security Development Model To download documents, go to axis.com/support/cybersecu- rity/resources To read more about Axis cybersecurity support, go to axis.com/cybersecurity
General	
Casing	Aluminum casing and plastic faceplate Colors: white NCS S 1002-B, black NCS S 9000-N For repainting instructions of casing and impact on warranty, contact your Axis partner.
Sustainability	PVC free
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 4.4 W, max 6 W
Connectors	RJ45 10BASE-T/100BASE-TX PoE
Storage	Recording to network-attached storage (NAS)
Operating conditions	0 °C to 50 °C (32 °F to 122 °F) Start-up temperature: 0 °C (32 °F) Humidity 10–85% RH (non-condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing)
Approvals	EMC EN 55032 Class A, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A, KC KN32 Class A, KC KN35 Safety IEC/EN/UL 62368-1, IS 13252 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 60529 IP40 Network NIST SP500-267, IPv6 USGv6
Dimensions	168 x 78 x 30 mm (6.61 x 3.07 x 1.18 in)
Weight	450 g (1 lb)
Included accessories	Installation guide, Windows <sup>®</sup> decoder 1-user license
Optional accessories	AXIS TP8201 Recessed Mount, AXIS TP8101 Pendant Kit, AXIS T91B21 Stand, AXIS T91B53 Telescopic Ceiling Mount, AXIS T91E61 Wall Mount For more accessories, see <i>axis.com</i>
Video management software	AXIS Camera Station, video management software from Axis Application Development Partners available at <i>axis.com/vms</i>
	English
Languages	English

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:

www.axis.com

## axis.com/environmental-responsibility

