

AXIS P1378-LE Network Camera

Excellent details in 4K for the great outdoors

With a robust design, AXIS P1378-LE offers excellent details in 4K resolution and can withstand extreme temperatures ranging from -40 °C to 60 °C (-40 °F to 140 °F). For extra protection an optional weathershield is available. It delivers excellent details in challenging or low light and includes Axis OptimizedIR for surveillance in pitch darkness. Designed as a deterrent, it includes electronic image stabilization, shock detection, tampering alarm and video streaming indicator. Axis Zipstream supporting H.264/H.265 provides exceptional savings on bandwidth and storage. Plus, with CS mount and support for motorized i-CS, you can easily change lens to meet your requirements.

- > 4K resolution
- > OptimizedIR and Forensic WDR
- > Signed firmware and secure boot
- > Electronic image stabilization
- > Zipstream supporting H.264 and H.265









AXIS P1378-LE Network Camera

Less With K1D protection in front window Horizontal Si-10 mp. visit in K1D protection in front window Horizontal Rich of visit in St. 24 mp. visit in K1D protection in front window Horizontal Rich of visit in St. 24 mp. visit in K1D protection in front window Horizontal Rich of visit in St. 24 mp. visit in K1D protection in front window Without R1D protection with Without R1D protection with Without R1D protection Without R1D protection with Without R1D protect	Camera		Application	Open API for software integration, including VAPIX® and	
Lens R. contexted, C.S-mount Jen. P Iris Will had protection in front window Horizontal field of view: 115-45 Vertical	Image sensor	1/1.8" progressive scan RGB CMOS	Programming Interface	AXIS Camera Application Platform, specifications at axis.com AXIS Video Hosting System (AVHS) with One-Click Connection	
Vertical field of view. 187–257 Without IK Op protection in front window Horizottal field of view. 187–457 Without IK Op protection in front window Horizottal field of view. 187–457 Without IK Op protection in front window Horizottal field of view. 187–457 Without IK Op protection in foot window Horizottal field of view. 187–457 Without IK Op protection in foot window Horizottal field of view. 187–457 Without IK Op protection in foot of the window Horizottal field of view. 187–187 Without IK Op protection in the State of the Without It Op Protection in the State of	Lens	Varifocal 3.9–10 mm, F1.5 With IK10 protection in front window	merraec	One-click cloud connection ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S and	
Minimum Mini		Vertical field of view: 61°–25° Without IK10 protection in front window Horizontal field of view: 119°–45°		Day/night shift Defogging	
Minimuniation Mi	Day and night	Automatically removable infrared-cut filter	Event triggers		
BWY GOS Iux, at 50 IRE P1.5 O Law with IR Illumination on Shutter speed 1/8500 s to 1/5 s System on chip System integration ARIPEC-7 Memory 2 (8 BRM, 512 MB Blash Compute capabilities Video Machine learning processing unit (MLPU) capabilities Video Video Machine learning processing unit (MLPU) Compute capabilities Video Video Machine learning processing unit (MLPU) System integration Miliph (MFG-4 Part 10/MVC) Baseline, Main and High Profiles H. 264 (MFG-4 Part 10/MVC) Baseline, Main and High Profiles H. 265 (MFG-6 H Part 2/HEVC) Motion JPEG Motion JPEG All System internation Multi-view System integration Multi-view Multi-view Multi-view System integration All System internation All System internation All System integration Multi-view All System internation All System internation All System internation Multi-view Multi-view Multi-view Multi-view All System internation					
System on chip SoC) Model ARTEC-7 Memory 2 68 RAM, 512 MB Flash Compute capabilities Wideo H264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles tompression of the Compute capabilities Wideo H264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H265 (MPEG-H Part 10/AVC) Baseline, Main and High Profiles H265 (MPEG-H Part 10/AVC) Baseline, Main and High Profiles H265 (MPEG-H Part 10/AVC) Baseline, Main and High Profiles H265 (MPEG-H Part 10/AVC) Baseline, Main and High Profiles H265 (MPEG-H Part 10/AVC) Baseline, Main and High Profiles H265 (MPEG-H Part 10/AVC) Baseline, Main and High Profiles H265 (MPEG-H Part 10/AVC) Baseline, Main and High Profiles H265 (MPEG-H Part 10/AVC) Baseline, Main and High Profiles H265 (MPEG-H Part 20/AVC) Baseline, Main and High Profiles H265 (MPEG-H Part 20/AVC) Baseline, Main and High Profiles H265 (MPEG-H Part 20/AVC) Baseline, Main and High Profiles H265 (MPEG-H Part 20/AVC) Baseline, Main and High Profiles H265 (MPEG-H Part 20/AVC) Baseline, Main and High Profiles H265 (MPEG-H Part 20/AVC) Baseline, Main and High Profiles H265 (MPEG-H Part 20/AVC) Baseline, Main and High Profiles H265 (MPEG-H Part 20/AVC) Baseline, Main and High Profiles H265 (MPEG-H Part 20/AVC) Baseline, Main and High Profiles H265 (MPEG-H Part 20/AVC) Baseline, Main and High Profiles H265 (MPEG-H Part 20/AVC) Baseline, Main and H264 (MPEG-H Part 20/AVC) Baseline, Main and H264 (MPEG-H Part 20/AVC) Baseline, Main and H265	illumination	B/W: 0.03 lux, at 50 IRE F1.5	Event actions	Notification: email, HTTP, HTTPS and TCP	
Model ARIFEC-7 Memory 2 G8 RAM, 512 MB Flash Compute capabilities Video Video Video Video Video Video Machine learning processing unit (MLPU) compression Machine learning processing unit (MLPU) compression Machine learning processing unit (MLPU) compression H 2.96 (MMEC-4 Part 10/AVC) Baseline, Main and High Profiles H 2.05 (MMEC-14 Part 2/HEVC) Motion JPEG Controllable frame rate and bandwidth Motion JPEG Controllable frame rate and bandwidth Motion JPEG Multiple, individually configurable streams in H.264, H.265, and Motion JPEG Multiple, individually configurable streams in H.264, H.265, and Motion JPEG Multiple, individually configurable streams in H.264, H.265, and Motion JPEG Multiple, individually configurable streams in H.264, H.265, and Motion JPEG Multiple, individually configurable streams in H.264, H.265, and Motion JPEG Multiple, individually configurable streams in H.264, H.265, and Motion JPEG Multiple, individually configurable streams in H.264, H.265, and Motion JPEG Multiple, individually configurable streams in H.264, H.265, and Motion JPEG Multiple, individually configurable streams in H.264, H.265, and Motion JPEG Multiple, individually configurable streams in H.264, H.265, and Motion JPEG Multiple, individually configurable streams in H.264, H.265, and Motion JPEG Multiple, individually configurable streams in H.264, H.265, and Motion JPEG Multiple, individually configurable streams in H.264, H.265, and Motion JPEG Multiple, individually configurable streams in H.264, H.265, and Motion JPEG Multiple, individually configurable streams in H.264, H.265, and Multiple, individually configurable stream	Shutter speed	1/8500 s to 1/5 s		Video recording to edge storage, Play audio clip	
Mode McMerory 2 GB RAM, \$12 MB Flash	System on chip	o (SoC)			
Compute capabilities	Model	ARTPEC-7			
Data streaming Event data	Memory				
Video streaming		Machine learning processing unit (MLPU)	Data streaming	·	
Compression H.266 (MPG-H Part Z)HEVC Methon JPG Methon	Video			Focus assistant, pixel counter, remote back focus, autorotation,	
Motion JPEG Controllable frame rate and bandwidth				remote focus and zoom and with optional i-CS lens.	
Controllable frame rate and bandwidth Frame rate 25/30 fps [50/60 Hz] Video streaming Multi-view streaming	compression		-		
Frame rate 25/30 fps (50/60 Hz)		Controllable frame rate and bandwidth		Trigger conditions: line crossing, object in area	
Video streaming video streams in Multiple, individually configurable streams in H.264, H.265, and Multiple, individually configurable streams in H.264 and H.265 Controllable frame rate and bandwidth VBR/JAB/RIMBR H.264/H.265 Video streaming indicator Applications Perspective configuration ONVIF Motion Alarm event ONVIF Motion Alarm event on NVIF Motion Alarm event o		3840x2160 (4K) to 160x90			
Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/JABR/MBR H.264H.265 Video streaming indicator Multi-view streaming Image settings Saturation, contrast, brightness, sharpness, Forensic WDR: Up to 120 dB depending on scene, white balance, day/night threshold, exposure mode, exposure zones, local contrast, tone mapping, compression, orientation: auto, 0°, 90°, 180°, 120° individing Corridor Format, mirroring of images, dynamic text and image overlay, privary masks, defogging, electronic image stabilization, barrel distortion correction, scene profiles: forensic, vivid, traffic overview Pan/Tilt/Zoom Digital PTZ Uploadable PTZ driver (Pelco D pre-installed) Audio encoding AdC LC 8/16/32/48 kHz, G-711 PCM 8 kHz, G-726 ADPCM 8 kHz, Opus 8/16/48 kHz, LPCM 8/16/32/48 kHz Configurable bit rate Audio encoding External microphone input, line input, digital input with ring input/output power, line output, automatic gain control Network 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 UPPP", SNMP v1/zc2/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTS PS, RTS, PSTP, PC, UP, BCMP, RTCP, CIPS/SMB, SMTP, mDNS (Bonjour), UPPP", SNMP v1/zc2/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, SOCKS, SSH, LUP, CDP, MOTT v3.1.1, Syslog, Link-Local address (ZeroConf) System integration				Polygon include/exclude areas	
Controllable frame rate and bandwith VBR/JABR/MBR H.284/H.265 Video streaming indicator Multi-view streaming and the streaming indicator Multi-view streaming and the streaming and the streaming streaming and the stream instruction and the streaming and the streaming and the stream instruction and the strea	Video streaming	Motion JPEG			
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Sautation, contrasts, originates, Starpiness, Starpine	streaming	· · · · · · · · · · · · · · · · · · ·	Supported AXIS Live Privacy Shield, AXIS Perimeter Defender		
compression, orientation: auto, 0°, 90°, 180°, 270° including Corridor Format, mirroring of images, dynamic text and image overlay, privacy masks, defogging, electronic image stabilization, barrel distortion correction, scene profiles: forensic, vivid, traffic overview Pan/Tilt/Zoom Digital PTZ Uploadable PTZ driver (Pelco D pre-installed) Audio Audio streaming Audio encoding Audio External microphone input, line input, digital input with ring input/output Peternal microphone input, line input, digital input with ring input/output Peternal microphone input, line input, digital input with ring power, line output, automatic gain control Network 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 Supported protocols Supported PTA, IPV6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS ^a , HTTP/2, TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPPP ^m , SMMP v1/V2/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SFTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf) System integration Casing IP66, IPS7- and NEMA 4X-rated, IK10 impact-resistant polyme enclosure with aluminium base and intrusion alarm switch weathershield with black anti-gaire coating Color: White NCS 5 1002-B Sustainability PVC free Power 12-28 V DC, max 19.9 W, typical 11.1 W Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 2 Class 4, max 20.7 W, typical 11.7 W With disabled IRR Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 4, max 20.7 W, typical 11.1 W Power over Ethernet (PoE) IEEE 802.5af/802.3at Type 1 Class 4, max 20.7 W, typical 11.1 W Power redundancy Power redundancy Power Internation Span Internation Sp	Image settings	120 dB depending on scene, white balance, day/night threshold, exposure mode, exposure zones, local contrast, tone mapping, compression, orientation: auto, 0°, 90°, 180°, 270° including Corridor Format, mirroring of images, dynamic text and image overlay, privacy masks, defogging, electronic image stabilization, barrel distortion correction, scene profiles: forensic, vivid, traffic	General		
Pan/Tilt/Zoom Digital PTZ Uploadable PTZ driver (Pelco D pre-installed) Audio Audio streaming Audio encoding External microphone input, line input, digital input with ring power, line output, automatic gain control Rudio encoding R			Casing	Weathershield with black anti-glare coating Color: White NCS S 1002-B	
Audio streaming Two-way, full duplex Audio encoding Opus 8/16/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz, LPCM 8/16/32/48 kHz Configurable bit rate Audio encoding External microphone input, line input, digital input with ring power, line output, automatic gain control Network Security Password protection, IP address filtering, HTTPSa encryption, IEEE 802.1X (EAP-TLS) network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot Supported protocols Supported Protocols OoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnPm, SMMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, STFP, STFP, STFP, TCP, UDP, IGMP, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQIT v3.1.1, Syslog, Link-Local address (ZeroConf) System integration Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 4, max 20.7 W, typical 6.7 W With disabled IR: Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, max 12.95 W, typical 6.7 W Power redundancy Connectors RJ45 10BASE-T/100BASE-TX/100BASE-T I/0: 6-pin 2.5 mm terminal block, for 2 supervised alarm inputs and 2 outputs RS48s/RS422, 2 pcs, 2 pos, full duplex, terminal block DC input, terminal block 3.5 mm mic/line in, 3.5 mm line out i-CS connector (compatible with P-lris and DC-iris) IR illumination OptimizedIR with power-efficient, long-life 850 nm IR LEDs Range 50 m (164 ft) or more, depending on the scene Storage Support for microSD/microSDHC/microSDXC card Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com Operating conditions Operating Conditions Operating Conditions Power over Ethernet (PoE) With disabled IR: Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, max 12.95 W, typical 6.7 W Power over tellon-likes. The class 3, max 12.95 W, typ	Pan/Tilt/Zoom				
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Network Security Password protection, IP address filtering, HTTPS³ 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 RS485/RS422, 2 pcs, 2 pos, full duplex, terminal block DC input, terminal blo			Connectors	I/O: 6-pin 2.5 mm terminal block, for 2 supervised alarm input	
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 Supported protocols IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS ^a , HTTP/2, TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SFTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf) System integration System integration 3.5 mm mic/line in, 3.5 mm line out i-CS connector (compatible with P-Iris and DC-iris)				RS485/RS422, 2 pcs, 2 pos, full duplex, terminal block	
Supported protocols Pv4, Pv6 USGv6, CMPv4/ CMPv6, HTTP, HTTPS³, HTTP/2, TLS³, QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SFTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf) System integration Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com Operating conditions O	Security	IEEE 802.1X (EAP-TLS) ^a network access control, digest authentication, user access log, centralized certificate	3.5 mm mic/line in, 3.5 mm line out		
Protocols QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SFTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf) System integration Strate Support for SD card encryption (AES-XTS-Plain64 256bit) Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com Operating conditions Value Available Available Available Support for Macine Support for RD card encryption (AES-XTS-Plain64 256bit) Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com Operating conditions Available Ava		secure boot	IR illumination		
System integration conditions Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F)		QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SFTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address		Support for SD card encryption (AES-XTS-Plain64 256bit) Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com	
74 € (100 1)	Carata na inte			Maximum temperature according to NEMA TS 2 (2.2.7):	
Humidity 10_100% RH (condensing)	system integro	HIOH		74 °C (165 °F) Humidity 10–100% RH (condensing)	

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	Wind load (sustained): 55 m/s (123 mph)	
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 50121-4, IEC 62236-4, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KCC KN32 Class A, KN35 Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IEC 62471, IS 13252 Environment IEC/EN 60529 IP66/IP67, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9), IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-78, IEC/EN 62262 IK10 Network NIST SP500-267	
Dimensions	404 x 159 x 168 mm (15.9 x 6.3 x 6.6 in)	
Weight	2.4 kg (5.3 lb)	
Included accessories	Installation guide, Windows® decoder 1-user license, wall mount bracket, sunshield, connector kit IK10 tool Torx® T20 screw driver, Torx® T30 screw bit	

	AXIS P13 Weathershield Kit A Pre-mounted AXIS Fixed Box IR Illuminator Kit A
Optional lenses	Lens CS 4-10 mm F0.9 P-Iris Lens i-CS 3.9-10 mm F1.5 8 MP Lens i-CS 9-50 mm F1.5 8 MP
Optional accessories	Axis mounts, Axis lenses, Axis midspans, Axis microphones AXIS P13 Weathershield Extension A AXIS T8355 Digital Microphone AXIS T99A10 Positioning Unit 24 V AC/DC For more accessories, see axis.com
Video management software	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available at 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 (openssl.org/), and cryptographic software written by Eric Young (eay@cryptsoft.com).

Environmental responsibility:

axis.com/environmental-responsibility

