

AXIS P1378 Network Camera

Excellent details in 4K under any circumstances

AXIS P1378 captures excellent detailed images in 4K resolution. Featuring Axis Lightfinder and Axis Forensic WDR it delivers true colors and great details in challenging light or near darkness. It offers P-Iris for images with better contrast, clarity, resolution and depth of field. Designed to act as a deterrent, it includes electronic image stabilization for stable images as well as enhanced security features, barrel distortion correction, shock detection and scene profiles. 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**
- > **Lightfinder and Forensic WDR**
- > **Signed firmware and secure boot**
- > **Electronic image stabilization**
- > **Zipstream supporting H.264 and H.265**



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Camera		
Image sensor	1/1.8" progressive scan RGB CMOS	
Lens	IR corrected, CS-mount lens, P-Iris Varifocal 3.9–10 mm, F1.5 Horizontal field of view: 119°–45° Vertical field of view: 62°–25°	AXIS Live Privacy Shield, AXIS Perimeter Defender, AXIS Guard Suite including AXIS Motion Guard, AXIS Fence Guard, and AXIS Loitering Guard Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
Day and night	Automatically removable infrared-cut filter	Event triggers Analytics, shock detection, edge storage events, supervised external input, audio level, time scheduled
Minimum illumination	4K 25/30 fps with Forensic WDR and Lightfinder: Color: 0.15 lux, at 50 IRE F1.5 B/W: 0.03 lux, at 50 IRE F1.5	Event actions Record video: SD card and 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 PTZ: PTZ preset, start/stop guard tour Overlay text, external output activation, play audio clip, WDR mode, day/night mode
Shutter time	1/8500 s to 1/5 s	Data streaming Event data
Video		Built-in installation aids Focus assistant, pixel counter, remote back focus, autorotation
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Motion JPEG	General
Resolution	3840x2160 (4K) to 160x90	Casing Metal (zinc) Color lid: White NCS S 1002-B Color chassis: Black NCS S 9002-N
Frame rate	25/30 fps (50/60 Hz) in all resolutions	Mounting ¼"-20 tripod screw thread Camera stand included
Video streaming	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 Video streaming indicator	Sustainability Free of hazardous brominated and chlorinated flame retardants (BFR/CFR free)
Multi-view streaming	Up to 8 individually cropped out view areas	Memory 2 GB RAM, 512 MB Flash
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°, 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	Power 12–28 V DC, max 10.5 W, typical 6.1 W Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, max 10.7 W, typical 6.2 W Power redundancy
Pan/Tilt/Zoom	Digital PTZ Uploadable PTZ driver (Pelco D pre-installed)	Connectors RJ45 10BASE-T/100BASE-TX/1000BASE-T I/O: 6-pin 2.5 mm terminal block, for 2 supervised alarm inputs and 2 outputs RS485/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-Iris and DC-iris) Security lock slot AXIS T92G20 connector
Audio		Storage Support for microSD/microSDHC/microSDXC card Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Audio streaming	Two-way, full duplex	Operating conditions -10 °C to 55 °C (14 °F to 131 °F) Humidity 10–85% RH (non-condensing)
Audio compression	AAC LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz, LPCM 48 kHz Configurable bit rate	Storage conditions -40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
Audio input/output	External microphone input, line input, digital input with ring power, line output, built-in microphone (can be disabled)	Approvals EMC EN 55032 Class A, 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 Network NIST SP500-267
Network		Dimensions 214 x 80 x 57 mm (8 7/16 x 3 1/8 x 2 1/4 in)
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	Weight 750 g (1.7 lb)
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP	Included accessories Connector kit, Installation Guide, Windows [®] decoder 1-user license, stand, Resistor [®] L-key TR20, Torx [®] L-key T6
System integration		Optional lenses Lens CS 12–50 mm F1.4 P-Iris 8 MP Lens i-CS 3.9–10 mm F1.5 5 MP Lens i-CS 9–50 mm F1.5 8 MP
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform, specifications at axis.com AXIS Guardian with One-Click Connection ONVIF [®] Profile G, ONVIF [®] Profile S, and ONVIF [®] Profile T, specification at onvif.org	Optional accessories Axis mounts, Axis lenses, Axis midspans, Axis microphones AXIS T92G20 Outdoor Housing AXIS T8355 Digital Microphone For more accessories, see axis.com
Onscreen controls	Electronic image stabilization Day/night shift Defogging Wide dynamic range	
Analytics	Included AXIS Video Motion Detection, active tampering alarm, audio detection Supported	

Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at axis.com/vms	a. <i>This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/), and cryptographic software written by Eric Young (ey@cryptsoft.com).</i>
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese, Polish	Environmental responsibility: axis.com/environmental-responsibility
Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see axis.com/warranty	