

# AXIS P1377 Network Camera

Fast, 5 MP surveillance under any circumstances

AXIS P1377 is a high-performance network camera that offers excellent 5 MP 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 as a deterrent, it includes electronic image stabilization for stable images as well as enhanced security features, 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.

- > [30 fps in 5 MP or up to 180 fps in HDTV 720p](#)
- > [Lightfinder and Forensic WDR](#)
- > [Signed firmware and secure boot](#)
- > [Electronic image stabilization](#)
- > [Zipstream supporting H.264 and H.265](#)



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<b>Camera</b>		<b>Application Programming Interface</b>	Open API for software integration, including VAPIX® and AXIS Camera Application Platform, specifications at <a href="https://axis.com">axis.com</a> One-Click Cloud Connection ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and ONVIF® Profile T, specification at <a href="https://onvif.org">onvif.org</a>
<b>Image sensor</b>	1/2.7" progressive scan RGB CMOS	<b>Onscreen controls</b>	Electronic image stabilization Day/night shift Defogging Wide dynamic range
<b>Lens</b>	IR corrected, CS-mount lens, P-Iris Varifocal 2.8–8 mm, F1.2 Horizontal field of view: 111°–38° Vertical field of view: 81°–28°	<b>Event triggers</b>	Analytics, shock detection, edge storage events, supervised external input, audio level, time scheduled MQTT subscribe
<b>Day and night</b>	Automatically removable infrared-cut filter	<b>Event actions</b>	MQTT publish 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
<b>Minimum illumination</b>	5 MP 25/30 fps with Forensic WDR and Lightfinder: Color: 0.13 lux, at 50 IRE F1.2 B/W: 0.03 lux, at 50 IRE F1.2	<b>Data streaming</b>	Event data
<b>Shutter speed</b>	WDR: 1/33500 s to 1/5 s No WDR: 1/50000 s to 1/5 s	<b>Built-in installation aids</b>	Focus assistant, pixel counter, remote back focus, autorotation
<b>System on chip (SoC)</b>		<b>Analytics</b>	
<b>Model</b>	ARTPEC-7	<b>AXIS Object Analytics</b>	Object classes: humans, vehicles Trigger conditions: line crossing, object in area, time in area <sup>BETA</sup> Up to 10 scenarios Metadata visualized with trajectories and color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
<b>Memory</b>	1 GB RAM, 512 MB Flash	<b>Applications</b>	<b>Included</b> AXIS Object Analytics AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, active tampering alarm, audio detection <b>Supported</b> AXIS Live Privacy Shield Support for additional applications if the device is used with compatible accessories. For more information, contact your Axis partner. Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="https://axis.com/acap">axis.com/acap</a>
<b>Compute capabilities</b>	Machine learning processing unit (MLPU)	<b>General</b>	
<b>Video</b>		<b>Casing</b>	Metal (zinc) Color lid: White NCS S 1002-B Color chassis: Black NCS S 9002-N
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Motion JPEG	<b>Mounting</b>	¼"-20 tripod screw thread Camera stand included
<b>Resolution</b>	2592x1944 (5 MP) to 160x90 2688x1512 (4 MP) to 160x90 1280x720 (HDTV 720p) to 160x90	<b>Sustainability</b>	Free of hazardous brominated and chlorinated flame retardants (BFR/CFR free)
<b>Frame rate</b>	Capture mode 5 MP: 25/30 fps (50/60 Hz) Capture mode 4 MP: 25/30 fps (50/60 Hz) Capture mode HDTV 720p: 180 fps	<b>Power</b>	12–28 V DC, max 9.7 W, typical 5.3 W Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, max 10.7 W, typical 5.4 W Power redundancy
<b>Video streaming</b>	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	<b>Connectors</b>	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
<b>Multi-view streaming</b>	Up to 8 individually cropped out view areas	<b>Storage</b>	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 <a href="https://axis.com">axis.com</a>
<b>Image settings</b>	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	<b>System integration</b>	
<b>Pan/Tilt/Zoom</b>	Digital PTZ Uploadable PTZ driver (Pelco D pre-installed)		
<b>Audio</b>			
<b>Audio streaming</b>	Two-way, full duplex		
<b>Audio encoding</b>	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		
<b>Audio input/output</b>	External microphone input, line input, digital input with ring power, line output, built-in microphone (can be disabled), automatic gain control		
<b>Network</b>			
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X (EAP-TLS) <sup>a</sup> network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot		
<b>Supported protocols</b>	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS <sup>a</sup> , HTTP/2, TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>SM</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)		

<b>Operating conditions</b>	-10 °C to 55 °C (14 °F to 131 °F) Humidity 10-85% RH (non-condensing)	Lens CS 4-10 mm F0.9 P-Iris Lens i-CS 9-50 mm F1.5 8 MP Tamron 5MP Lens P-Iris 8-50 mm F1.6 Theia Varifocal Ultra Wide Lens 1.8-3.0 mm
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing)	
<b>Approvals</b>	<b>EMC</b> 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 <b>Safety</b> IEC/EN/UL 62368-1, CAN/CSA C22.2 No. 62368-1, IS 13252 <b>Environment</b> IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78 <b>Network</b> NIST SP500-267	<b>Optional accessories</b> Axis mounts, Axis lenses, Axis midspans, Axis microphones AXIS TQ1809-LE Housing T92G AXIS T8355 Digital Microphone For more accessories, see <a href="http://axis.com">axis.com</a>
<b>Dimensions</b>	214 x 80 x 57 mm (8 7/16 x 3 1/8 x 2 1/4 in)	<b>Video management software</b> AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at <a href="http://axis.com/vms">axis.com/vms</a>
<b>Weight</b>	750 g (1.7 lb)	<b>Languages</b> English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese, Polish
<b>Included accessories</b>	Connector kit, Installation Guide, Windows® decoder 1-user license, stand, Resistorx® L-key TR20, Torx® L-key T6	<b>Warranty</b> 5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>
<b>Optional lenses</b>	Lens Computar i-CS 2.8-8.5 mm	a. <i>This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<a href="http://www.openssl.org/">http://www.openssl.org/</a>), and cryptographic software written by Eric Young (<a href="mailto:ey@cryptsoft.com">ey@cryptsoft.com</a>).</i>

Environmental responsibility:

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