

# AXIS M5000-G PTZ Camera

Situational awareness camera with build-in PTZ and Z-Wave™

AXIS M5000-G PTZ Camera features three 5 MP sensors and one PTZ camera with 10x optical zoom for total situational awareness of indoor areas up to 400 m<sup>2</sup> (4300 ft<sup>2</sup>). With everything displayed on one monitor, you can move from overview to detailed views in a single click. It offers wireless I/O connectivity with Z-Wave Plus<sup>®</sup> devices to communicate with up to six devices in a system setup for instance monitor temperatures in freezers or turn lights on/off. With AXIS M5000-G, you get the benefits of four cameras while installing just one camera.

- > [3x 5 MP sensors for situational awareness](#)
- > [Total overview, zoomed-in details](#)
- > [Covers indoor areas up to 400 m<sup>2</sup> \(4300 ft<sup>2</sup>\)](#)
- > [10x optical zoom with HDTV 1080p](#)
- > [Z-Wave for smart home devices](#)



# AXIS M5000-G PTZ Camera

Models	AXIS M5000-G EU AXIS M5000-G JP AXIS M5000-G US	Configurable bit rate
<b>Camera</b>		Audio input/output
Image sensor	<b>PTZ camera:</b> 1/2.8" progressive scan RGB CMOS <b>Overview cameras:</b> 1/2.8" progressive scan RGB CMOS	External microphone input or line input, line output, automatic gain control
Lens	<b>PTZ camera:</b> Varifocal, 4.7–47 mm, F1.6–3.0 Horizontal field of view: 61.8°–6.7° Vertical field of view: 36.3°–3.8° Autofocus, auto-iris, P-Iris control <b>Overview cameras:</b> Focal length 2.39 mm, F2.0 Horizontal field of view: 360° Vertical field of view: 93°	<b>Network</b>
Day and night	<b>PTZ camera:</b> Automatically removable infrared-cut filter	Security
Minimum illumination	<b>PTZ camera:</b> <b>Color:</b> 0.09 lux at 30 IRE F1.6 <b>B/W:</b> 0.01 lux at 30 IRE F1.6 <b>Color:</b> 0.1 lux at 50 IRE F1.6 <b>B/W:</b> 0.01 lux at 50 IRE F1.6 <b>Overview cameras:</b> <b>Color:</b> 0.08 lux at 30 IRE F2.0 <b>B/W:</b> 0.03 lux at 30 IRE F2.0 <b>Color:</b> 0.4 lux at 50 IRE F2.0 <b>B/W:</b> 0.03 lux at 50 IRE F2.0	Network protocols
Shutter speed	<b>PTZ camera:</b> 1/66500 s to 2 s <b>Overview cameras:</b> 1/50000 s to 2 s	IPv4, IPv6, USGv6, ICMPv4/ICMPv6, HTTP, HTTPS <sup>a</sup> , HTTP/2, 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, RTSP, RTCP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, DHCPv4/v6, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf), Z-Wave Plus <sup>™</sup> v2
Pan/Tilt/Zoom	<b>PTZ camera:</b> Pan: 360° with auto-pan, 1.8°–150°/s Tilt: 180°, 1.8°–150°/s 10x optical zoom, 12x digital zoom, total 120x zoom 100 preset positions, limited guard tour, control queue, on-screen directional indicator, E-pan, click-in-image	<b>System integration</b>
<b>System on chip (SoC)</b>		Application Programming Interface
Model	ARTPEC-7	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> One-click cloud connection ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile M, ONVIF <sup>®</sup> Profile S, and ONVIF <sup>®</sup> Profile T, specification at <a href="http://onvif.org">onvif.org</a>
Memory	2048 MB RAM, 512 MB Flash	Onscreen controls
<b>Video</b>		Focus recall area Video streaming indicator Privacy masks Day/night shift
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	Event conditions
Resolution	<b>PTZ camera:</b> 1920x1080 to 320x180 <b>Overview cameras:</b> 2592x1944 to 320x180	Audio: audio clip playing Device status: above operating temperature, above or below operating temperature, below operating temperature, IP address removed, network lost, new IP address, storage failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption, storage health issues detected I/O: manual trigger, virtual input MQTT subscribe PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready Scheduled and recurring: scheduled event Video: average bitrate degradation, day-night mode, live stream open
Frame rate	<b>PTZ camera:</b> Up to 25/30 fps with power line frequency 50/60 Hz <b>Overview cameras:</b> Up to 12 fps with power line frequency 50/60 Hz	Event actions
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	Audio clips: play, play while the rule is active, stop playing Guard tours: Run while the rule is active, start MQTT publish Notification: email, HTTP, HTTPS, TCP and SNMP trap Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email Day-night mode, overlay text, preset positions, WDR mode
Image settings	Saturation, contrast, brightness, sharpness, WDR – forensic capture, white balance, day/night threshold, tone mapping, exposure mode, exposure zones, compression, Z-Wave overlay, text and image overlay, polygon privacy masks, image freeze on PTZ, local contrast, max shutter, max gain, noise/motion priority, aperture lock, exposure level Scene profiles: indoor, forensic	Data streaming
<b>Audio</b>		Event data
Audio streaming	Two-way, full duplex	Built-in installation aids
Audio encoding	24bit LPCM, AAC-LC 8/16/32/44.1 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz	Pixel counter
		<b>Analytics</b>
		Applications
		<b>Included</b> AXIS Loitering Guard, AXIS Video Motion Detection, audio detection, shock detection, advanced gatekeeper Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>
		<b>General</b>
		Casing
		IP51-rated Repaintable plastic casing, polycarbonate (PC) dome
		Sustainability
		PVC free, BFR/CFR free
		Power
		Power over Ethernet (PoE) IEEE 802.3at Type 2 Class 4 Typical 7.6 W, max 13.4 W 20–28 V DC, typical 6.6 W, max 12.1 W (PoE midspan and power supply not included)
		Connectors
		RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE DC input terminal block Audio: mic/line in, line out terminal block
		Storage
		Support for SD/SDHC/SDXC 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="http://axis.com">axis.com</a>
Operating conditions	0 °C to 40 °C (32 °F to 104 °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	<b>EMC</b> EN 55032 Class A, EN 55035, EN 61000-6-1, EN 61000-6-2, VCCI Class A, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A) <b>Safety</b> CAN/CSA C22.2 No. 62368-1, IEC/EN/UL 62368-1 <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, IEC/EN 60529 IP51 <b>Radio</b> EN 62311, EN 300220-2, EN 301489-1, EN 301489-3, MIC, FCC Part 15 Subpart C, RSS-210 <b>Network</b> NIST SP500–267
Dimensions	Height: 138 mm (5.4 in), ø 247 mm (9.7 in)
Weight	1.95 kg (4.3 lb)

Included accessories	Installation Guide, Windows® decoder 1-user license, drill hole template, terminal block connectors, connector guard, bayonette screws
Optional accessories	AXIS TM5601 Conduit Back Box AXIS TM5801 Black Dome For more accessories, see <a href="http://axis.com">axis.com</a>
Video management software	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>
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese
Warranty	5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>

- 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](http://axis.com/environmental-responsibility)