

# AXIS M5055 PTZ Network Camera

## Mini PTZ with HDTV 1080p resolution

AXIS M5055 PTZ Network Camera is an ultra-discreet, palm-sized, pan-tilt-zoom camera for remote indoor monitoring. It provides full frame rate video in HDTV 1080p resolution, and supports multiple H.264 and Motion JPEG video streams. AXIS M5055 is a ceiling-mount camera that provides flexible coverage over a 500 m<sup>2</sup> (4300 sq. ft) area with  $\pm 180^\circ$  pan, 90° tilt, and 5x optical zoom. The IP51 rating ensures protection against dust and dripping water, enabling the camera to operate even when a sprinkler system is activated.

- > **HDTV 1080p**
- > **5x optical zoom and autofocus**
- > **IP51-rated**
- > **Power over Ethernet (IEEE 802.3af)**
- > **Built-in analytics**



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Camera	
<b>Image sensor</b>	1/4.85" progressive scan RGB CMOS
<b>Lens</b>	Varifocal. 2.2–11.0 mm, F1.4–F2.5 Horizontal field of view: 14°–71° Vertical field of view: 8°–40° Autofocus
<b>Minimum illumination</b>	Color: 1.2 lux at 30 IRE F1.4
<b>Shutter time</b>	1/16000 s to 1 s
<b>Pan/Tilt/Zoom</b>	Pan: ±179°, 100°/s Tilt: 90°, 100°/s Zoom: 5x optical, 10x digital 25 preset positions, control queue, on-screen directional indicator
Video	
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High profiles Motion JPEG
<b>Resolution</b>	1920x1080 to 320x180 (16:9)
<b>Frame rate</b>	Up to 25/30 fps (50/60 Hz) in all resolutions
<b>Video streaming</b>	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
<b>Image settings</b>	Resolution, compression, rotation: 0°, 180°, text and image overlay, color, brightness, sharpness, white balance, wide dynamic range, exposure control, exposure time, gain, exposure zones, exposure priority, image freeze on PTZ, privacy masks
Audio	
<b>Audio streaming</b>	One-way
<b>Audio encoding</b>	AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate
<b>Audio input</b>	Built-in microphone
Network	
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, digest authentication, user access log, centralized certificate management
<b>Supported protocols</b>	IPv4/v6, HTTP, HTTPS <sup>a</sup> , SSL/TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>®</sup> , SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH
System integration	
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://www.axis.com">www.axis.com</a> AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF <sup>®</sup> Profile S and ONVIF <sup>®</sup> Profile G, specification at <a href="http://onvif.org">onvif.org</a>
<b>Analytics</b>	Included AXIS Video Motion Detection, audio volume detection, scream detection, removed object detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://www.axis.com/acap">www.axis.com/acap</a>
<b>Event triggers</b>	Applications Detectors: live stream accessed Hardware: network Input signal: manual trigger, virtual inputs
	PTZ: moving, preset reached, ready Storage: disruption, recording System: system ready Time: recurrence, use schedule
<b>Event actions</b>	Record video: SD card, network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS network share, email PTZ control: preset position Notification: email, HTTP, HTTPS, TCP and SNMP trap Overlay text Status LED
<b>Data streaming</b>	Event data
<b>Built-in installation aids</b>	Pixel counter
General	
<b>Casing</b>	IP51-rated plastic casing, clear dome
<b>Sustainability</b>	PVC free
<b>Memory</b>	512 MB RAM, 256 MB Flash
<b>Power</b>	Power over Ethernet 802.3af/802.3at Type 1 Class 3 Typical 4.6 W, max 7.8 W
<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX PoE
<b>Storage</b>	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 <a href="http://www.axis.com">www.axis.com</a>
<b>Operating conditions</b>	0 °C to 45 °C (32 °F to 113 °F) Humidity 10–90% RH (non-condensing)
<b>Storage conditions</b>	-30 °C to 60 °C (-22 °F to 140 °F)
<b>Approvals</b>	EMC EN 55032 Class A, 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, KN-35 Safety IEC/EN/UL 62368-1 Environment IEC/EN 60529 IP51
<b>Dimensions</b>	Ø130 x 63 mm (Ø5.1 x 2.5 in)
<b>Weight</b>	375 g (0.8 lb)
<b>Included accessories</b>	AXIS M50 Mounting Kit, Installation Guide, Windows decoder 1-user license
<b>Optional accessories</b>	AXIS M50 Clear Dome Cover A For more accessories, see <a href="http://www.axis.com">axis.com</a>
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/vms">www.axis.com/vms</a>
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
<b>Warranty</b>	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. ([www.openssl.org](http://www.openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).

Environmental responsibility:

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