

AXIS M5074 PTZ Camera

Palm-sized PTZ camera with 5x optical zoom

AXIS M5074 is a discreet, palm-sized PTZ camera designed to fit in anywhere. It delivers sharp, detailed video in HDTV 720p/1MP resolution. Thanks to PTZ functionality with 5x optical zoom and 12x digital zoom you can benefit from sweeping overviews and zoom in to get the details. Featuring a built-in microphone, this plug & play solution also includes analytics such as scream detection to alert you whenever a scream is detected in the camera's proximity. Furthermore, built-in cybersecurity features help prevent unauthorized access and safeguard your system.

- > [PTZ with 5x optical zoom, 12x digital zoom](#)
- > [Autofocus and WDR](#)
- > [Built-in analytics](#)
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Camera

Image sensor

1/2.8" progressive scan RGB CMOS

Lens

Varifocal. 2.2–11.0 mm, F1.4–F2.5
Horizontal field of view: 14°–71°
Vertical field of view: 8°–40°
Autofocus

Minimum illumination

Color: 0.1 lux at 30 IRE F1.4

Shutter speed

1/17000 s to 2 s

Pan/Tilt/Zoom

Pan: ±179°, 100°/s
Tilt: 90°, 100°/s
Zoom: 5x optical, 12x digital
256 preset positions, control queue, on-screen directional indicator, set new pan 0°, autofocus area, focus recall

System on chip (SoC)

Model

ARTPEC-7

Memory

1024 MB RAM, 512 MB Flash

Video

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

Resolution

1280x720 to 320x180 (16:9)

Frame rate

Up to 50/60 fps (50/60 Hz) in all resolutions

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
Video streaming indicator

Image settings

Saturation, contrast, brightness, sharpness, WDR, white balance, day/night threshold, local contrast, tone mapping, exposure mode, exposure zones, compression, rotation: 0°, 180°, barrel distortion correction, text and image overlay, polygon privacy masks

Signal-to-noise ratio

>55 dB

Audio

Streaming

One-way

Encoding

24 bit LPCM, AAC-LC 8/16/32/48 kHz,
G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz
Configurable bit rate

Input

Built-in microphone

Network

Network protocols

IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS⁽¹⁾, HTTP/2, TLS⁽¹⁾, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, PTP, NTS, RTSP, RTCP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, DHCPv4/v6, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)

1. 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).

System integration

Application Programming Interface

Open API for software integration, including VAPIX® and AXIS Camera Application Platform (ACAP); specifications at axis.com/developer-community.

One-click cloud connection

ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S and ONVIF® Profile T, specification at onvif.org

Video management systems

Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, and video management software from Axis' partners available at axis.com/vms.

Onscreen controls

Day/night shift

Video streaming indicator

Focus recall zone

Privacy masks

Event conditions

Audio: audio detection

Device status: above operating temperature, above or 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, tampering

Event actions

Day-night mode

MQTT publish

Overlay text

Preset positions

Recordings

Status LED

WDR mode

Notification: email, HTTP, HTTPS, TCP and SNMP trap

Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email

Data streaming

Event data

Built-in installation aids

Leveling assistant, pixel counter

Analytics

Applications

Included

AXIS Video Motion Detection, audio detection, active tampering alarm, gatekeeper, AXIS Scream Detection, AXIS Removed Object Detection

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 axis.com/acap

Cybersecurity

Edge security

Software: Signed OS, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 Client Credential Flow/OpenID Authorization Code Flow for centralized ADFS account management, password protection

Network security

IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2)⁽²⁾, IEEE 802.1AE (MACsec PSK/EAP-TLS), HTTPS/HSTS⁽²⁾, TLS v1.2/v1.3⁽²⁾, Network Time Security (NTS), X.509 Certificate PKI, host-based firewall

Documentation

AXIS OS Hardening Guide

Axis Vulnerability Management Policy

Axis Security Development Model

AXIS OS Software Bill of Material (SBOM)

To download documents, go to axis.com/support/cybersecurity/resources

To read more about Axis cybersecurity support, go to axis.com/cybersecurity

General

Casing

IP51-rated plastic casing, clear dome

Color: white NCS S 1002-B

For information about the impact on warranty when repainting the product, go to axis.com/warranty-implication-when-repainting.

Sustainability

PVC free

2. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (ey@cryptsoft.com).

Power

Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3
Typical 4.2 W, max 9.3 W

Connectors

RJ45 10BASE-T/100BASE-TX PoE

Storage

Support for microSD/microSDHC/microSDXC card
Support for SD card encryption (AES-XTS-Plain64 256bit)
Recording to network-attached storage (NAS)
For SD card and NAS recommendations see axis.com

Operating conditions

0 °C to 45 °C (32 °F to 113 °F)
Humidity 10–90% RH (non-condensing)

Storage conditions

–30 °C to 60 °C (–22 °F to 140 °F)
Humidity 5–95% RH (non-condensing)

Approvals**EMC**

EN 55032 Class A, EN 55035, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), KS C 9832 Class A, KS C 9835, RCM AS/NZS CISPR 32 Class A, VCCI Class A

Safety

CAN/CSA C22.2 No. 62368-1, IEC/EN/UL 62368-1, IS 13252

Environment

IEC/EN 60529 IP51

Network

NIST SP500-267

Dimensions

Ø130 x 63 mm (Ø5.1 x 2.5 in)

Weight

380 g (0.84 lb)

Included accessories

AXIS M50 Mounting Kit, Installation Guide, Windows decoder 1-user license

Optional accessories

AXIS M50 Clear Dome Cover A

For more accessories, see axis.com

Languages

English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese

Warranty

5-year warranty, see axis.com/warranty