# 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**
> **Zipstream with H.264/H.265**
> **Built-in cybersecurity features**

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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

### Audio streaming
One-way

### Audio 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

### Audio 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, 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)

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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; 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, AXIS Camera Station 5, 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, 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

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## 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*

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