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 m² (4300 sq. ft) area with ±180° 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
AXIS M5055 PTZ Network Camera

Camera
Image sensor 1/4.85” 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: 1.2 lux at 30 IRE F1.4

Shutter time
1/1600 s to 1 s

Pan/Tilt/Zoom
Pan: ±179°, 100°/s
Tilt: 90°, 100°/s
Zoom: 5x optical, 10x digital
25 preset positions, control queue, on-screen directional indicator

Video
Video compression H.264 (MPEG-4 Part 10(AVC) Baseline, Main and High profiles Motion JPEG
Resolution 1920x1080 to 320x180 (16:9)
Frame rate Up to 25/30 fps (50/60 Hz) in all resolutions

Video streaming
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

Image settings
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
Audio streaming One-way
Audio compression AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz
Configurable bit rate
Audio input Built-in microphone

Network
Security
Password protection, IP address filtering, HTTPS encryption, IEEE 802.1X network access control, digest authentication, user access log, centralized certificate management

Supported protocols
IPv4/IPv6, HTTP, HTTPS*, SSL/TLS*, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP®, SNMPv1/v2c/v3 (MIB-II), DNS, Dyndns1, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH

System integration
Application Programming Interface
Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at www.axis.com
AXIS Video Hosting System (AVHS) with one-Click Connection ONVIF® Profile S and ONVIF® Profile G, specification at onvif.org

Analytics
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 www.axis.com/acap

Event triggers
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

Event actions
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

Data streaming
Event data
Built-in installation aids
Pixel counter

General
Casing
IP51-rated plastic casing, clear dome

Sustainability
PVC free

Memory
512 MB RAM, 256 MB Flash

Power
Power over Ethernet 802.3af/802.3at Type 1 Class 3
Typical 4.6 W, max 7.8 W

Connectors
RJ45 10BASE-T/100BASE-TX PoE

Storage
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 www.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)

Approvals
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

Dimensions
Ø130 x 63 mm (Ø5.1 x 2.5 in)

Weight
375 g (10.8 lb)

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

Optional accessories
AXIS M50i Clear Dome Cover A

Video management software
AXIS Companion, AXIS Camera Station, Video management software from Axis’ Application Development Partners available on www.axis.com/vms

Languages
English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese

Warranty
Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty

a. This product includes software developed by the OpenSSL Project for use in the OpenSSL toolkit (www.openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).

Environmental responsibility:
www.axis.com/environmental-responsibility