AXIS P85 Network Camera Series
Discreet, eye-level cameras for identification

> **>** Discreet eye-level cameras for identification
>
> **>** Up to HDTV 1080p
>
> **>** Choice of colors and form factors
>
> **>** Model with Wide Dynamic Range – Forensic Capture

AXIS P85 Series offers eye-level, pinhole cameras installed in a pipe or height strip housing for discreet, indoor video surveillance—ideal for retail, hotel and banking environments. For placement near exits of buildings, AXIS P85 cameras are positioned to look straight at a person's face for more reliable identification even when the person is wearing a hood or baseball cap.

The series comprises AXIS P8514 and AXIS P8524 (both with HDTV 720p and a 57° horizontal field of view), as well as the advanced AXIS P8535 with HDTV 1080p, a wide 92° horizontal field of view and Wide Dynamic Range - Forensic Capture that enables superb performance in scenes with high-contrast lighting and low light.

AXIS P8514 comes in three, floor-to-ceiling pipe versions: black, chrome and white with a metric or imperial height indicator to enable eyewitnesses to gauge the height of a person. The camera inside the pipe is placed at a height of 160 cm (5.2 ft).

AXIS P8524 and AXIS P8535 have a rectangular form factor in black or silver with a height indicator in metric or imperial measurement. The sensor unit (lens and image sensor) is mounted at a height of 170 cm in the metric model and 5.5 ft in the imperial version. The sensor unit has a cable for connection to the main unit, which can be placed out of public view.

AXIS P85 cameras support Power over Ethernet, and their viewing direction is easily adjustable. AXIS P8524 and AXIS P8535 enable local storage of recordings and connection to external devices. AXIS P8535 also supports audio and RS232 for integration of external data to the video.
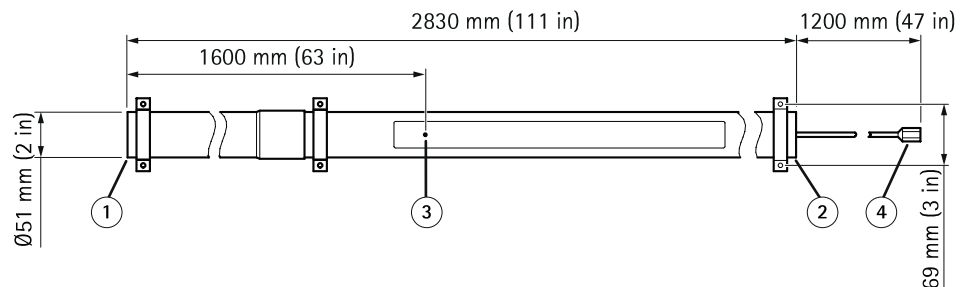
Technical Specifications - AXIS P8514 Network Camera

Models	AXIS P8514: 1 MP/HDTV 720p in black/chrome/white with metric/imperial height strip decal

Camera

Image sensor	1/4" progressive scan RGB CMOS
Lens	Fixed iris, fixed focus, 3.7 mm: 57° view[a], F1.8
Minimum illumination	1 lux, F1.8
Shutter time	1/24500 s to 1/6 s
Camera angle adjustment	Rotation ±90° adjustment
Cable length	Pre-mounted 1.3 m (4.3 ft) Ethernet cable with female RJ45 connector

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Motion JPEG
Resolutions	1280x800[b] to 160x90
Frame rate	H.264: 30 fps in all resolutions Motion JPEG: 30 fps in all resolutions
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG, Controllable frame rate and bandwidth, VBR/CBR H.264
Image settings	Compression, Color, Brightness, Sharpness, Contrast, White balance, Exposure control, Exposure zones, Backlight compensation, Wide dynamic range - dynamic contrast, Fine tuning of behavior at low light, Mirroring of images Rotation: 0°, 90°, 180°, 270° Text and image overlay, Privacy mask
Pan/Tilt/Zoom	Digital PTZ, Preset positions, Guard tour

Network

Security	Password protection, IP address filtering, HTTPS[c] encryption, IEEE 802.1X[b] network access control, Digest authentication, User access log
Supported protocols	IPv4/v6, HTTP, HTTPS[b], SSL/TLS[b], QoS Layer 3 DiffServ, FTP, SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS

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 Camera Connection; ONVIF Profile S, specification at www.onvif.org
Intelligent video	Video motion detection, Active tampering alarm Support for AXIS Camera Application Platform enabling installation of additional applications

Event triggers	Intelligent video
Event actions	File upload: FTP, HTTP, network share and email Notification: email, HTTP and TCP Pre- and post-alarm video buffering
Data streaming	Event data
Built-in installation aids	Pixel counter

General

Casing	Epoxy painted steel tube available in white, black and chrome Colors: White RAL 9010, Black RAL 9005
Memory	128 MB RAM, 128 MB Flash
Power	Power over Ethernet IEEE 802.3af/802.3at Class 1, max. 3.2 W
Connectors	Female RJ45 10BASE-T/100BASE-TX PoE
Edge storage	Support for recording to dedicated network-attached storage (NAS)
Operating conditions	0 °C to 50 °C (32 °F to 122 °F)
Approvals	EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, EN 55024, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, C-tick AS/NZS CISPR 22, EN 60950-1, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-27
Weight	4.5 kg (9.9 lb)
Dimensions	2830 x 51 mm (111.4 x 2 in)
Included accessories	Clamps, Installation Guide, Height indicator decal included AXIS P8514 white: Height indicator decal pre-mounted
Optional accessories	AXIS P85 Wall Brackets, AXIS PoE Midspans
Video management software	AXIS Camera Companion (included), AXIS Camera Station and video management software from Axis' Application Development Partners (not included). For more information, see www.axis.com/products/video/software
Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty

a. *Horizontal angle of view*
b. *1440x900 (1.3 MP) scaled resolution available via VAPIX®*
c. *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).*
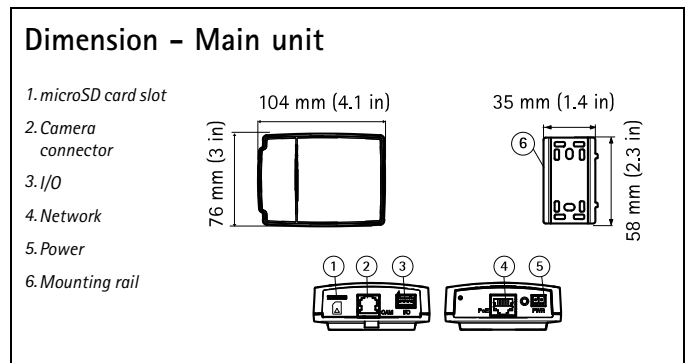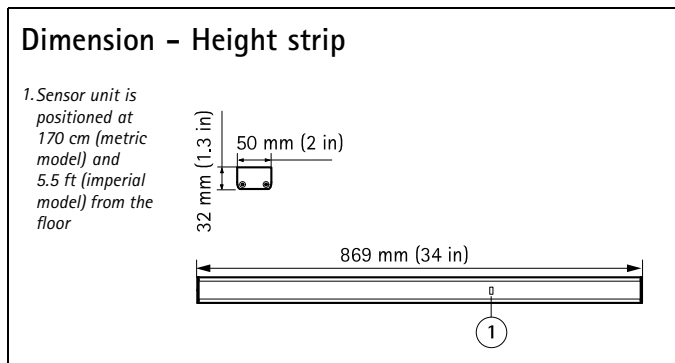
Dimension

1. Bottom
2. Top
3. Pinhole camera positioned 160 cm (5.2 ft) from bottom
4. Ethernet cable

Technical Specifications - AXIS P8524 Network Camera

Models	**AXIS P8524:** HDTV 720p in black/silver housing with metric/imperial height strip

Camera

Image sensor	1/4" progressive scan RGB CMOS
Lens	Fixed iris, fixed focus 3.7 mm: 57° view[a], F2.5
Light sensitivity	1.2–10000 lux
Shutter time	1/24500 s to 1/6 s
Camera angle adjustment	Pan ±30°
Cable length	8 m (26 ft) cable on sensor unit for attachment to main unit

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Motion JPEG
Resolutions	1280x720 to 320x180
Frame rate	H.264: Up to 25/30 fps (50/60 Hz) in all resolutions Motion JPEG: Up to 25/30 fps (50/60 Hz) in all resolutions
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth VBR/CBR H.264
Image settings	Compression, Color, Brightness, Sharpness, Contrast, White balance, Exposure control, Exposure zones, Backlight compensation, Fine tuning of behavior at low light, Rotation, Text and image overlay, Mirroring of images, Privacy mask, Axis' Corridor Format

Network

Security	Password protection, IP address filtering, HTTPS[b] encryption, IEEE 802.1X[b] network access control, Digest authentication, User access log
Supported protocols	IPv4/v6, HTTP, HTTPS[b], SSL/TLS[b], QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS

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 Camera Connection. ONVIF Profile S; specification at www.onvif.org
Intelligent video	Video motion detection, Active tampering alarm, AXIS Camera Application Platform enabling installation of additional applications
Event triggers	Intelligent video, External inputs, Video loss

Event actions	File upload: FTP, HTTP, network share and email Notification: email, HTTP and TCP External output activation Video recording to edge storage Pre- and post-alarm video buffering
Built-in installation aids	Pixel counter
Data streaming	Event data

General

Casing	Main unit: polycarbonate Height strip: aluminum
Memory	256 MB RAM, 128 MB Flash
Power	Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 2 (max 6.49 W) 8–28 V DC max 4.7 W
Connectors	RJ45 for 10BASE-T/100BASE-TX PoE RJ12 for the sensor unit Terminal blocks for power, 1 alarm input and 1 output
Edge storage	MicroSD/microSDHC/microSDXC slot supporting memory card up to 64 GB (card not included) Support for recording to dedicated network-attached storage (NAS)
Operating conditions	-20 °C to 50 °C (-4 °F to 122 °F) Humidity 10–85% RH (non-condensing)
Approvals	EN 55022 Class B, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, C-tick AS/NZS CISPR 22 Class B, KCC KN22 Class B, KN24, IEC/EN/UL 60950-1, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-27, 60068-2-78
Weight	Main unit: 109 g (0.24 lb) Height strip: 930 g (2.05 lb)
Included accessories	Mounting kit, Installation Guide, Installation and Management Software CD, Windows decoder 1-user license, AVHS Authentication key
Optional accessories	AXIS PoE Midspans
Video management software	AXIS Camera Companion (included), AXIS Camera Station and video management software from Axis' Application Development Partners (not included). For more information, see www.axis.com/products/video/software
Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty

a. *Horizontal angle of view*
b. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/), and cryptographic software written by Eric Young (eay@cryptsoft.com).*

Dimension – Height strip

1. Sensor unit is positioned at 170 cm (metric model) and 5.5 ft (imperial model) from the floor

32 mm (1.3 in) · 50 mm (2 in) · 869 mm (34 in)

Dimension – Main unit

1. microSD card slot
2. Camera connector
3. I/O
4. Network
5. Power
6. Mounting rail

104 mm (4.1 in) · 35 mm (1.4 in) · 76 mm (3 in) · 58 mm (2.3 in)

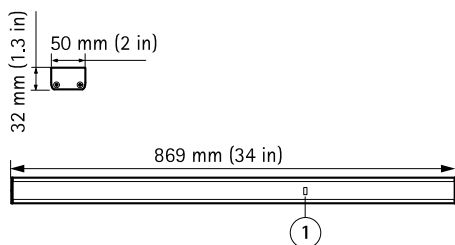# Technical Specifications - AXIS P8535 Network Camera

Models	**AXIS P8535:** HDTV 1080p with AXIS F41 Main Unit and AXIS F1025 Sensor Unit in black/silver housing with metric/imperial height strip

Camera

Image sensor	1/2.8" (effective) progressive scan RGB CMOS
Lens	Fixed iris, fixed focus, 3.7 mm: 92° view[a], F2.5
Minimum illumination	Color: 0.3 lux, F2.5
Shutter time	HDTV 1080p 25/30/50/60 fps: 1/143000 s to 2 s WUXGA (1920x1200) 25/30 fps: 1/143000 s to 2 s
Camera angle adjustment	Pan ±15°
Cable length	12 m (39 ft) cable on sensor unit for attachment to main unit

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolutions	1920x1200 (WUXGA) to 160x90
Frame rate	H.264/Motion JPEG: In HDTV 1080p (no WDR), 50/60 fps (50/60 Hz); In WUXGA (no WDR) and in HDTV 1080p with WDR, 25/30 fps (50/60 Hz)
Video streaming	Multiple, individually configurable streams in H.264 (Main, Baseline and High Profiles) and Motion JPEG; Controllable frame rate and bandwidth; VBR/MBR H.264
Image settings	Wide Dynamic Range – Forensic Capture, Compression, Color, Brightness, Sharpness, Contrast, White balance, Exposure value, Exposure control, Exposure zones, Local contrast, Rotation, Corridor Format, Text and image overlay, Privacy mask, Mirroring of images

Audio

Audio streaming	Two-way
Audio compression	AAC-LC 8/16/32 kHz, 8-128 kbit/s; G.711 PCM 8 kHz 64 kbit/s; G.726 ADPCM 8 kHz 32 kbit/s or 24 kbit/s; Configurable bit rate
Audio input/output	External microphone input or line input, Line output

Network

Security	Password protection, IP address filtering, HTTPS[b] encryption, IEEE 802.1X[b] network access control, Digest authentication, User access log, Centralized certificate management
Supported protocols	IPv4/v6, HTTP, HTTPS[b], SSL/TLS[b], QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, 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 Camera Connection; ONVIF Profile S, specification at www.onvif.org

Intelligent video	Video motion detection, Active tampering alarm, Audio detection, AXIS Camera Application Platform
Event triggers	Intelligent video, External inputs, Edge storage events
Event actions	File upload: FTP, HTTP, network share and email; Notification: email, HTTP and TCP; External output activation; Pre- and post-alarm video buffering; Video and audio recording to edge storage; Play audio clip; WDR mode
Built-in installation aids	Pixel counter
Data streaming	Event data

General

Casing	Aluminum
Memory	512 MB RAM, 256 MB Flash
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 (max 7.7 W); 8–28 V DC max 7.8 W
Connectors	Female RJ45 for 10BASE-T/100BASE-TX PoE; RJ12 for sensor unit; 6-pin terminal block for four configurable inputs/outputs (12 V DC output), max. load 50 mA; 3.5 mm mic/line in, 3.5 mm line out; 5-pin terminal block RS232; 2-pin terminal block for 8–28 V DC input
Edge storage	SD/SDHC/SDXC slot supporting memory card up to 64 GB (card not included); Support for recording to dedicated network-attached storage (NAS)
Operating conditions	Humidity 10–85% RH (non-condensing) Main unit: -30 °C to 60 °C (-22 °F to 140 °F) Height strip: -30 °C to 55 °C (-22 °F to 131 °F)
Approvals	IEC/EN/UL 60950-1, IEC 60068-2-6, IEC 60068-2-27, EN 55022 Class B, EN 55024, EN 61000-6-1, EN 61000-6-2, EN 61000-3-2, EN 61000-3-3, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, C-tick AS/NZS CISPR 22 Class B, KCC KN22 Class B, KN24, EN 50581 Main unit only: ECE R10 rev.04, EN 50121-4, IEC 62236-4
Weight	Main unit: 532 g (1.17 lb); Height strip: 1050 g (2.3 lb)
Included accessories	Installation Guide, Installation and Management Software CD, Windows decoder 1-user license, AVHS Authentication key
Optional accessories	AXIS F8001 Surface Mount with Strain Relief, AXIS F8002 DIN Rail Clip, AXIS T8120 15 W Midspan, AXIS T83 Microphones
Video management software	AXIS Camera Companion (included), AXIS Camera Station and video management software from Axis' Application Development Partners (not included)
Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty

a. *Horizontal angle of view*
b. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/), and cryptographic software written by Eric Young (eay@cryptsoft.com).*

More information is available at www.axis.com

Dimension – Height strip

1. Sensor unit is positioned at 170 cm (metric model) and 5.5 ft (imperial model) from the floor

32 mm (1.3 in) 50 mm (2 in) 869 mm (34 in)

Dimension – Main unit

1. SD card slot
2. To sensor unit
3. Audio in/out
4. I/O
5. RS232
6. Power
7. Network

122 mm (4.8 in) 122 mm (4.8 in) 52 mm (2 in)

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