

AXIS P33 Network Camera Series — Indoor models

Fixed domes for any environment with remote focus and zoom.



- > Exceptional image quality including 5 MP and HDTV
- > WDR with dynamic capture
- > Lightfinder technology
- > Built-in IR illumination
- > Remote focus and zoom
- > P-Iris control

AXIS P33 Network Cameras constitute a series of indoor and outdoor-ready fixed domes. These cameras are ideal for unobtrusive video surveillance, day and night, in exposed areas such as city surveillance, airports, railway stations, retail stores, office buildings, museums, schools and university campuses.

AXIS P33 Series offers models with exceptional image quality from SVGA resolution up to 5 megapixel, including SMPTE-compliant HDTV 720p and 1080p video. AXIS P33 Series provides multiple, individually configurable H.264 and Motion JPEG video streams.

The SVGA and HDTV 720p/1MP models support Axis' Lightfinder technology, which makes these cameras extremely sensitive to low light. AXIS P3384-V that additionally supports wide dynamic range (WDR) with 'dynamic capture', provides outstanding video quality in the most demanding conditions with strong variations in light. The 5 megapixel model, AXIS P3367-V, can cover a large area with exceptional detail and light sensitivity. All AXIS P33 models support P-Iris control for optimal image clarity.

AXIS P3364-LV incorporates new long-life LED technology that is highly power-efficient. Adjustable in angle and intensity, the built-in IR solution offers easy configuration optimizing for the scene.

All AXIS P33 cameras support the remote focus capability that eliminates hands-on focusing at the camera, and remote zoom that allows the camera's angle of view to be optimized.

All AXIS P33 cameras offer digital pan/tilt/zoom and the 3-megapixel and 5-megapixel models additionally provide multi-view streaming. AXIS P33 Series has low, environmental-friendly power consumption, supplied by standard Power over Ethernet (IEEE 802.3af).



Fixed domes designed for efficient installation

AXIS P33 Network Cameras are designed for professional video surveillance with easy and reliable installation in focus. Indoor models of AXIS P33 Series are the perfect choice for a wide range of demanding video applications.

Lightfinder technology

The SVGA and HDTV 720p/1MP models of AXIS P33 Series incorporate Axis' unique Lightfinder technology. The outstanding light sensitivity, with maintained colors even in very poor lighting conditions, is obtained by a combination of Axis' expertise in image processing, system-on-chip development and selection of the best optical components.

For more on Lightfinder technology, go to:
www.axis.com/corporate/corp/tech_papers.htm

Wide dynamic range – dynamic capture

AXIS P3384-V that supports WDR with 'dynamic capture' is ideal for surveillance in areas with strong variations in light, for instance close to large windows and entrances, where the sunlight creates both very bright zones and dark shadows. AXIS P3384-V enables easy and clear identification of people and objects both in bright and dark areas.

Built-in IR illumination

AXIS P3364-LV features built-in IR illumination based on new, long-life LED technology that is highly power efficient. This results in high-quality, low-noise video also when the environment is completely dark.

P-Iris control

AXIS P33 Series features the advanced precise iris control that comprises a special P-Iris lens, together with dedicated software in the camera,

to set the best iris position for optimal depth of field, resolution, image contrast and clarity. Good depth of field implies that objects at different distances from the camera are in focus simultaneously.

For more on P-Iris and iris control, go to:
www.axis.com/corporate/corp/tech_papers.htm

Easy installation

AXIS P33 Network Cameras offer unique installation capabilities including remote focus and zoom. The remote focus feature enables convenient focusing over the network, eliminating the need for hands-on fine tuning at the camera. The remote zoom functionality ensures that the camera's angle of view is optimized for the area to be monitored. The pixel counter assures that the required pixel resolution is met. The built-in IR solution in AXIS P3364-LV automatically adapts the illumination angle with the zoom level, which simplifies installation.

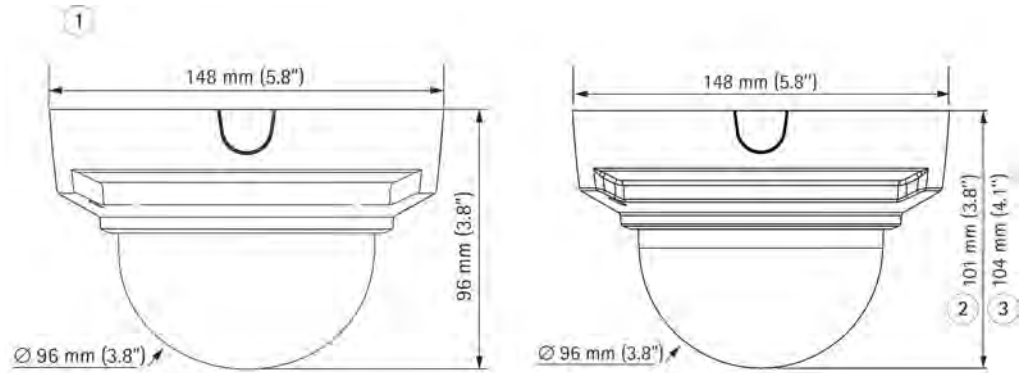
Mounting options

AXIS P33 Series offers a wide range of optional kits for indoor installations, for example, for mounting on a wall, pole or corner. The IP51-rated drop ceiling mount kit protects the camera from condensation and dust that may exist in the plenum space above the drop ceiling.



Dimensions

1. AXIS P3353/P3354/P3363-V/
P3364-V/P3364-LV
2. AXIS P3346
3. Vandal-resistant models
AXIS P3384-V/P3346-V/P3367-V



Optional accessories

1. IP51-rated drop-ceiling mount kit with
transparent or smoked cover
2. Mounting bracket
3. AXIS T94H01P Conduit Back Box
4. Pendant adapter kit
5. AXIS T91A Brackets



Technical Specifications - AXIS P33 Network Camera Series – Indoor models

Models	<p>AXIS P3353: SVGA, Lightfinder, tamper resistance</p> <p>AXIS P3354: 1 MP, Lightfinder, tamper resistance</p> <p>AXIS P3363-V: SVGA, Lightfinder, vandal resistance, audio, I/O ports</p> <p>AXIS P3364-V: 1 MP, Lightfinder, vandal resistance, audio, I/O ports</p> <p>AXIS P3364-LV: 1 MP, IR illumination, Lightfinder, vandal resistance, audio, I/O ports</p> <p>AXIS P3384-V: 1 MP, WDR - dynamic capture, Lightfinder, vandal resistance, audio, I/O ports</p> <p>AXIS P3346: 3 MP, multi-view, audio, I/O ports</p> <p>AXIS P3346-V: 3 MP, multi-view, vandal resistance, audio, I/O ports</p> <p>AXIS P3367-V: 5 MP, multi-view, vandal resistance, audio, I/O ports</p> <p><i>Note: 6 mm and 12 mm as suffix refers to lens model</i></p> <p><i>AXIS P3301/-V and AXIS P3304/-V are not part of AXIS P33 Series</i></p>	Day and night	Automatically removable infrared-cut filter
Camera		Minimum illumination	<p>AXIS P3353/P3354/P3363-V/P3364-V 6 mm: Color: 0.1 lux, F1.2, B/W: 0.02 lux, F1.2</p> <p>AXIS P3364-LV 6 mm: Color: 0.12 lux, F1.2, B/W: 0.03 lux, F1.2</p> <p>AXIS P3353/P3354/P3363-V/P3364-V 12 mm: Color: 0.15 lux, F1.4, B/W: 0.03 lux, F1.4</p> <p>AXIS P3364-LV 12 mm: Color: 0.18 lux, F1.4, B/W: 0.04 lux, 0 lux with IR illumination on</p> <p>AXIS P3384-V with dynamic capture: Color: 0.5 lux, F1.2, B/W: 0.08 lux, F1.2</p> <p>AXIS P3384-V with Lightfinder: Color: 0.15 lux, F1.2, B/W: 0.03 lux, F1.2</p> <p>AXIS P3346/-V: Color: 0.5 lux, F1.2, B/W: 0.08 lux, F1.2</p> <p>AXIS P3367-V: Color: 0.2 lux, B/W: 0.04 lux, F1.2</p>
Image sensor	<p>AXIS P3353/P3363-V: Progressive scan RGB CMOS 1/3"</p> <p>AXIS P3354/P3364-V/P3364-LV: Progressive scan RGB CMOS 1/3"</p> <p>AXIS P3384-V: Progressive scan RGB CMOS 1/3"</p> <p>AXIS P3346/-V: Progressive scan RGB CMOS 1/3" (effective)</p> <p>AXIS P3367-V: Progressive scan RGB CMOS 1/3.2"</p>	Shutter time	<p>AXIS P3353/P3354/P3363-V/P3364-V/P3364-LV: 1/24500 s to 2 s with power line frequency 50 Hz</p> <p>1/29500 s to 2 s with power line frequency 60 Hz</p> <p>AXIS P3384-V with dynamic capture: 1/192 s to 1/37 s with power line frequency 50 Hz</p> <p>1/231 s to 1/44 s with power line frequency 60 Hz</p> <p>AXIS P3384-V with Lightfinder: 1/24500 s to 2 s with power line frequency 50 Hz</p> <p>1/29500 s to 2 s with power line frequency 60 Hz</p> <p>AXIS P3346/-V: 1/35500 s to 1/6 s</p> <p>AXIS P3367-V: 1/28000 s to 2 s</p>
Lens	<p>Varifocal, Remote focus and zoom, P-Iris control, IR corrected, Megapixel resolution</p> <p>AXIS P3353/P3354/P3363-V/P3364-V/P3364-LV 6 mm: 2.5–6 mm, 105°–49° view^a, F1.2</p> <p>AXIS P3353/P3354/P3363-V/P3364-V/P3364-LV: 3.3–12 mm, 82°–24° view^a, F1.4</p> <p>AXIS P3384-V: 3–9 mm, 84°–30° view^a, F1.2</p> <p>AXIS P3346/-V: 3–9 mm, 84°–30° view^a, F1.2</p> <p>AXIS P3367-V: 3–9 mm, 84°–30° view^a, F1.2</p>	Camera angle adjustment	<p>AXIS P3353/P3354/P3363-V/P3364-V/P3364-LV: Pan 360°, tilt 170°, rotation 340°</p> <p>AXIS P3384-V/P3346/P3346-V/P3367-V: Pan 360°, tilt 160°, rotation 340°</p>

Video	
Video compression	H.264 Baseline and Main Profile (MPEG-4 Part 10/AVC) Motion JPEG
Resolutions	AXIS P3353/P3363-V: 800x600 (SVGA) to 160x90 AXIS P3354/P3364-V/P3364-LV/P3384-V: 1280x960 ^b (approx. 1.3 MP) to 160x90 AXIS P3346/-V: 2048x1536 (3 MP) to 160x90 AXIS P3367-V: 2592x1944 (5 MP) to 160x90
Frame rate	AXIS P3353/P3354/P3363-V/P3364-V/P3364-LV/P3384-V: 25/30 fps with power line frequency 50/60 Hz AXIS P3346/-V: 3 MP capture mode: 20 fps in all resolutions, HDTV 1080p (1920x1080) and 2 MP 4:3 (1600x1200) capture modes: 30 fps in all resolutions AXIS P3367-V: 5 MP capture mode: 12 fps in all resolutions; and capable of all AXIS P3346/-V capture modes
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG, Controllable frame rate and bandwidth, VBR/CBR H.264
Multi-view streaming	AXIS P3346/P3346-V/P3367-V: Up to 8 individually cropped out view areas AXIS P3346/-V: When streaming 4 view areas and 1 overview in VGA resolution, the frame rate is 20 fps per stream (3 MP capture mode) AXIS P3367-V: When streaming 4 view areas and 1 overview in VGA resolution, the frame rate is 12 fps per stream (5 MP capture mode) or 20 fps per stream (3 MP capture mode)
Pan/Tilt/Zoom	Digital PTZ AXIS P3346/P3346-V/P3367-V: Preset positions, Guard tour
Image settings	Compression, Color, Brightness, Sharpness, Contrast, White balance, Exposure control, Exposure zones, Backlight compensation, Fine tuning of behavior at low light, Wide dynamic range – dynamic contrast Rotation 0°, 90°, 180°, 270°, including Corridor Format AXIS P3384-V: Wide dynamic range – dynamic capture: Up to 120 dB (0.5–500,000 lux) depending on scene
Audio	
Audio streaming	All models except AXIS P3353/P3354: Two-way
Audio compression	All models except AXIS P3353/P3354: AAC LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Configurable bit rate
Audio input/output	All models except AXIS P3353/P3354: External microphone input or line input, Line output, Built-in microphone (can be disabled)
Network	
Security	Password protection, IP address filtering, HTTPS ^c encryption, IEEE 802.1X ^c network access control, Digest authentication, User access log
Supported protocols	IPv4/v6, HTTP, HTTPS ^c , SSL/TLS ^c , 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; specification at www.onvif.org
Intelligent video	Video motion detection, Active tampering alarm, AXIS Camera Application Platform enabling installation of additional applications All models except AXIS P3353/P3354: Audio detection
Event triggers	Intelligent video, Edge storage events All models except AXIS P3353/P3354: External input
Event actions	File upload: FTP, HTTP, network share and email Notification: email, HTTP and TCP Video recording to edge storage Pre- and post-alarm video buffering All models except AXIS P3353/P3354: External output activation, Audio recording to edge storage, Play audio clip AXIS P3346/P3346-V/P3367-V: Preset positions, Guard tour

Data streaming	Event data
Built-in installation aids	Remote zoom, Remote focus, Pixel counter AXIS P3364-LV: adjustable IR illumination angle and intensity
General	
Casing	Polycarbonate transparent cover, Aluminum inner camera module with encapsulated electronics AXIS P3353/P3354/P3346: Tamper-resistant polycarbonate casing AXIS P3363-V/P3364-V/P3364-LV/P3384-V/P3346-V/P3367-V: IK10 impact-resistant casing with aluminum base Color: White NCS S 1002-B. For repainting instructions and impact on warranty, contact your Axis partner
Memory	256 MB RAM, 128 MB Flash AXIS P3367-V: 512 MB RAM, 128 MB Flash
Power	Power over Ethernet IEEE 802.3af/802.3at Type 1 AXIS P3353/P3354/P3363-V/P3364-V: Class 2; max 5.9 W AXIS P3364-LV: IR illumination on: Class 3; max 12.1 W; IR illumination off: max 5.9 W AXIS P3384-V: Class 2; max 5.9 W AXIS P3346/-V: Class 2; max 6.4 W AXIS P3367-V: Class 2; max 6.2 W
Connectors	RJ45 10BASE-T/100BASE-TX PoE All models except AXIS P3353/P3354: Terminal block for 1 alarm input and 1 output, 3.5 mic/line in, 3.5 mm line out
IR illumination	AXIS P3364-LV: Power-efficient, long-life 850 nm IR LED's with adjustable angle of illumination and intensity. Range of reach up to 30 m (100 ft) depending on scene
Edge storage	SD/SDHC/SDXC slot supporting memory card up to 64 GB (card not included) Support for recording to network share (network-attached storage or file server)
Operating conditions	0 °C to 50 °C (32 °F to 122 °F) Humidity 10–85% RH (non-condensing)
Approvals	EN 55022 Class B, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class B, ICES-003 Class B digital, VCCI Class B, C-tick AS/NZS CISPR 22 Class B, KCC KN22 Class B, KN24, EN/IEC/UL 60950-1, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-64, IEC 60068-2-78, ITE, KCC AS/NZS CISPR 22 AXIS P3364-LV: EN 62471 AXIS P3363-V/P3364-V/P3364-LV/P3384-V/P3346-V/P3367-V: IEC 62262 IK10
Weight	AXIS P3353/P3354: 430 g (0.9 lb) AXIS P3363-V/P3364-V: 650 g (1.4 lb) AXIS P3364-LV: 670 g (1.5 lb) AXIS P3346: 490 g (1.1 lb) AXIS P3384-V/P3346-V/P3367-V: 700 g (1.6 lb)
Included accessories	Installation Guide, Installation and Management Software CD, Windows decoder 1-user license All models except AXIS P3364-LV: Smoked transparent cover All models except AXIS P3353/P3354: Connector kit
Video management software	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. 1400x1050 (1.4 MP) scaled resolution available via VAPIX[®]
 c. 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 (ey@cryptsoft.com).

More information is available at www.axis.com