Appendix 6
Revised 05/13/13

DATASHEET

AXIS P33 Network Camera Series – Indoor models

Fixed domes for any environment with remote focus and zoom.

- Exceptional image quality including 5MP 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

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

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.

Technical specifications – AXIS P33 Network Camera Series, indoor models

Camera	
Indoor models	**AXIS P3353:** SVGA, Lightfinder, tamper resistance **AXIS P3354:** 1 MP, Lightfinder, tamper resistance **AXIS P3363-V:** SVGA, Lightfinder, vandal resistance, audio, I/O ports **AXIS P3364-V:** 1 MP, Lightfinder, vandal resistance, audio, I/O ports **AXIS P3364-LV:** 1 MP, IR illumination, Lightfinder, vandal resistance, audio, I/O ports **AXIS P3384-V:** 1 MP, WDR - dynamic capture, Lightfinder, vandal resistance, audio, I/O ports **AXIS P3346:** 3 MP, multi-view, audio, I/O ports **AXIS P3346-V:** 3 MP, multi-view, vandal resistance, audio, I/O ports **AXIS P3367-V:** 5 MP, multi-view, vandal resistance, audio, I/O ports *Note: 6 mm and 12 mm as suffix refers to lens model* *AXIS P3301/-V and AXIS P3304/-V are not part of AXIS P33 Series*
Image sensor	**AXIS P3353/P3363-V:** Progressive scan RGB CMOS 1/3" **AXIS P3354/P3364-V/P3364-LV:** Progressive scan RGB CMOS 1/3" **AXIS P3384-V:** Progressive scan RGB CMOS 1/3" **AXIS P3346/-V:** Progressive scan RGB CMOS 1/3" (effective) **AXIS P3367-V:** Progressive scan RGB CMOS 1/3.2"
Lens	Varifocal, remote focus and zoom, P-Iris control, IR corrected, megapixel resolution **AXIS P3353/P3354/P3363-V/P3364-V 6 mm:** 2.5-6 mm, 105° - 49° view*, F1.2 **AXIS P3353/P3354/P3363-V/P3364-V/P3364-LV:** 3.3-12 mm, 82° - 24° view*, F1.4 **AXIS P3384-V:** 3-9 mm, 84° - 30° view*, F1.2 **AXIS P3346/-V:** 3-9 mm, 84° - 30° view*, F1.2 **AXIS P3367-V:** 3-9 mm, 84° - 30° view*, F1.2 *horizontal angle of view
Day and night	Automatically removable infrared-cut filter
Minimum illumination	**AXIS P3353/P3354/P3363-V/P3364-V 6 mm:** Color: 0.1 lux, F1.2, B/W: 0.02 lux, F1.2 **AXIS P3353/P3354/P3363-V/P3364-V 12 mm:** Color: 0.15 lux, F1.4, B/W: 0.03 lux, F1.4 **AXIS P3364-LV12 mm:** Color: 0.18 lux, F1.4, B/W: 0 04 lux, 0 lux with IR illumination on **AXIS P3384-V:** Color: 0.5 lux, F1.2, B/W: 0.08 lux, F1.2 with dynamic capture Color: 0.15 lux, F1.2, B/W: 0.03 lux, F1.2 with Lightfinder **AXIS P3346/-V:** Color: 0.5 lux, F1.2, B/W: 0.08 lux, F1.2 **AXIS P3367-V:** Color: 0.2 lux, B/W: 0.04 lux, F1.2
Shutter time	**AXIS P3353/P3354/P3363-V/P3364-V/P3364-LV:** 1/24500 s to 2 s with power line frequency 50 Hz, 1/29500 s to 2 s with power line frequency 60 Hz **AXIS P3384-V:** Dynamic capture: 1/192 s to 1/37 s with power line frequency 50 Hz, 1/231 s to 1/44 s with power line frequency 60 Hz; Lightfinder: 1/24500 s to 2 s with power line frequency 50 Hz, 1/29500 s to 2 s with power line frequency 60 Hz **AXIS P3346/-V:** 1/35500 s to 1/6 s **AXIS P3367-V:** 1/28000 s to 2 s
Camera angle adjustment	**AXIS P3353/P3354/P3363-V/P3364-V/P3364-LV:** Pan 360°, tilt 170°, rotation 340° **AXIS P3384-V/P3346/P3346-V/P3367-V:** Pan 360°, tilt 160°, rotation 340°
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* (approx. 1.3 MP) to 160x90 **AXIS P3346/-V:** 2048x1536 (3 MP) to 160x90 **AXIS P3367-V:** 2592x1944 (5 MP) to 160x90 *1400x1050 (1.4 MP) scaled resolution available via VAPIX®
Frame rate H.264/ Motion JPEG	**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, preset positions, guard tour
Image settings	Compression, color, brightness, sharpness, contrast, white balance, exposure control, exposure zones, backlight compensation, WDR - dynamic contrast, fine tuning of low light behavior Rotation: 0°, 90°, 180°, 270°, including Corridor Format **AXIS P3384-V:** WDR - dynamic capture: Up to 120 dB (0.5 - 500,000 lux) depending on scene
Audio (all models except AXIS P3353/P3354)	
Audio streaming	Two-way
Audio compression	AAC LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate
Audio input/ output	External microphone input or line input, line output Built-in microphone (can be disabled)
Network	
Security	Password protection, IP address filtering, digest authentication, user access log, IEEE 802.1X** network access control, HTTPS** encryption
Supported protocols	IPv4/v6, HTTP, HTTPS**, SSL/TLS**, 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 the ONVIF specification available at www.onvif.org, as well as VAPIX® and AXIS Camera Application Platform from Axis Communications, specifications available at www.axis.com Support for AXIS Video Hosting System (AVHS) with One-Click Camera connection
Intelligent video	Video motion detection, active tampering alarm Support for 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 PTZ preset, guard tour **All models except AXIS P3353/P3354:** External output activation, audio recording to edge storage, play audio clip **AXIS P3364-LV:** Activation of IR illumination
Data streaming	Event data
Built-in installation aids	Remote zoom, remote focus, pixel counter **AXIS P3364-LV:** adjustable IR illumination angle and intensity

*** This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (www.openssl.org)*

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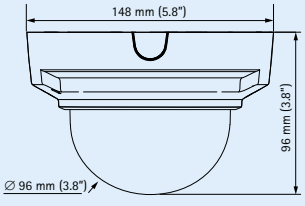
Technical Specifications (cont.) – AXIS P33 Network Camera Series, indoor models

General	
Casing	Polycarbonate transparent cover Aluminum inner camera module with encapsulated electronics Color: White NCS S 1002-B **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
Memory	256 MB RAM, 128 MB Flash **AXIS P3367-V:** 512 MB RAM, 128 MB Flash
Power	Power over Ethernet IEEE 802.3af **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	RJ-45 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 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 cards 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, EN 55024, EN 61000-6-1, EN 61000-6-2, IEC/EN/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, FCC Part 15, Subpart B Class B, ICES-003 Class B digital, VCCI, ITE, C-tick AS/NZS CISPR 22, KCC AS/NZS CISPR 22, KN 22, KN 24 **AXIS P3364-LV:** EN 62471 **AXIS P3363-V/P3364-V/P3364-LV/P3384-V/P3346-V/P3367-V:** IEC 62262 IK10
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

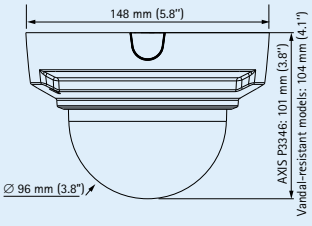
More information is available at www.axis.com

Dimensions and weight – AXIS P33 Network Camera Series, indoor models

AXIS P3353 and AXIS P3354
Weight: 430 g (0.9 lb.)
AXIS P3363-V/P3364-V
Weight: 650 g (1.4 lb.)
AXIS P3364-LV
Weight: 670 g (1.5 lb.)



AXIS P3346
Weight: 490 g (1.1 lb.)
AXIS P3384-V/P3346-V/P3367-V
Weight: 700 g (1.6 lb.)



Accessories – AXIS P33 Network Camera Series, indoor models

Optional accessories for indoor models

IP51-rated drop-ceiling mount kit with transparent or smoked cover

Mounting bracket

Pendant adapter kit

AXIS T91A Brackets

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

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