AXIS P33 Network Camera Series — Outdoor models
Fixed domes for any environment with remote focus and zoom.

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 P3364-VE 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-VE, 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-LVE 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. The weatherproof AXIS P33-VE/-LVE cameras have low, environmental-friendly power consumption supplied by standard Power over Ethernet (IEEE 802.3af), and operate in a wide temperature range from -40 °C to 55 °C (-40 °F to 131 °F).
Fixed domes designed for efficient installation

Outdoor-ready 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.

Outdoor-ready installation for tough climates
The outdoor models of AXIS P33 Series are specially designed for reliable, vandal-resistant and weather-proof installation, with pre-installed heater and fan, and an integrated dehumidifying membrane eliminating any humidity caught in the camera casing during installation. These cameras come with a 5 m (16 ft.) Ethernet cable with a pre-mounted, specially designed gasket, enabling flush wall mounting and requiring no additional sealant. A weather shield is also included for effective protection against reflections from sunlight, or build-ups of rain or snow; except for the AXIS P3364-LVE model, for which the shield could interfere with the built-in IR illumination. A wide range of optional mounting kits are available, for example for mounting on a wall, pole or corner.

Built-in IR illumination
AXIS P3364-LVE 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

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-VE that supports WDR with ‘dynamic capture’ is ideal for surveillance in areas with strong variations in light, for instance in tunnel passages, and other areas where the sunlight creates both very bright zones and dark shadows. AXIS P3384-VE enables easy and clear identification of people and objects both in bright and dark areas.

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-LVE automatically adapts the illumination angle with the zoom level, which simplifies installation.
### Technical Specifications – AXIS P33 Network Camera Series, outdoor models

#### Camera

**Outdoor models**
- AXIS P3363-VE: SVGA, Lightfinder
- AXIS P3364-VE: 1 MP, Lightfinder
- AXIS P3384-VE: 1 MP, IR, illumination, Lightfinder

**AXIS P3364-VE:**
- 1 MP, WDR - dynamic capture, Lightfinder
- Up to 8 individually cropped out view areas

**AXIS P3367-VE:**
- 5 MP, multi-view streaming
- When streaming 4 view areas and 1 overview in VGA resolution, the frame rate is 20 fps per stream (3 MP capture mode)
- When streaming 4 view areas and 1 overview in VGA resolution, the frame rate is 12 fps per stream (5 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
- 0°, 90°, 180°, 270°, including Corridor Format
- Text and image overlay, privacy mask, mirroring of images

**Video streaming**
- Multiple, individually configurable streams in H.264 and Motion JPEG
- Controllable frame rate and bandwidth

**Multi-view streaming**
- AXIS P3346-VE/P3367-VE: Up to 8 individually cropped out view areas
- AXIS P3346-VE: 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-VE: When streaming 4 view areas and 1 overview in VGA resolution, the frame rate is 12 fps per stream (5 MP capture mode)

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

**Audio**
- AAC LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz
- Configurable bit rate

**Audio streaming**
- Two-way

**Audio compression**
- AAV LC 8/16 kHz, G.711 PCM 8 kHz

**Audio input/output**
- External microphone input or line input, line output

**System integration**
- 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

**Intelligent video**
- Video motion detection, active tampering alarm, audio detection
- Support for AXIS Video Hosting System (AVHS) with One-Click Camera connection

**Event triggers**
- Intelligent video, external input, edge storage events

**Event actions**
- File upload: FTP, HTTP, network share and email
- Notification: email, HTTP and TCP
- External output activation
- Video and audio recording to edge storage
- Pre- and post-alarm video buffering
- Play audio clip
- PTZ preset, guard tour
- AXIS P3346-VE/LVE: Activation of IR illumination

**Data streaming**
- Event data

**Built-in installation aids**
- Remote zoom, remote focus, pixel counter

**AXIS P3364-VE/LVE:**
- Adjustable IR illumination angle and intensity

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**Camera**

<table>
<thead>
<tr>
<th><strong>Outdoor models</strong></th>
<th><strong>Resolution</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>AXIS P3363-VE</td>
<td>1280x960 (1 MP)</td>
</tr>
<tr>
<td>AXIS P3364-VE</td>
<td>1280x960 (3 MP)</td>
</tr>
<tr>
<td>AXIS P3384-VE</td>
<td>1280x960 (5 MP)</td>
</tr>
</tbody>
</table>

**Video compression**
- H.264 Baseline and Main Profile (MPEG-4 Part 10/AVC)
- Motion JPEG

**Video resolution**
- AXIS P3363-VE: 800x600 (SVGA) to 160x90
- AXIS P3364-VE/P3384-VE: 1280x960 (approx. 1.3 MP)
- AXIS P3367-VE: 2048x1536 (3 MP) to 160x90
- AXIS P3367-VE: 2592x1944 (5 MP) to 160x90

**Frame rate**
- 25/30 fps with power line frequency 50/60 Hz
- HDTV 1080p (1920x1080) and 2 MP 4:3 (1600x1200) capture modes: 30 fps in all resolutions
- AXIS P3367-VE: 5 MP capture mode: 12 fps in all resolutions, and capable of all AXIS P3346-VE capture modes
## Technical Specifications (cont.) – AXIS P33 Network Camera Series, outdoor models

### General

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing</td>
<td>Polycarbonate transparent cover, aluminum inner camera module with encapsulated electronics, color: white NCS S 1002-B, IP66- and NEMA 4X-rated, IK10 impact-resistant casing with aluminum base and dehumidifying membrane</td>
</tr>
</tbody>
</table>
| Memory  | 256 MB RAM, 128 MB Flash  
AXIS P3367-VE: 512 MB RAM, 128 MB Flash |
| Power   | Power over Ethernet (IEEE 802.3af)  
AXIS P3363-VE/P3364-VE/P3364-LVE/P3384-VE/P3367-VE: Class 3, max 12.1 W  
AXIS P3346-VE: Class 3, max 12.8 W |
| Connectors | RJ-45 10BASE-T/100BASE-TX PoE  
Terminal block for 1 alarm input and 1 output |
| IR illumination | AXIS P3364-VE: 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

-40 °C to 55 °C (-40 °F to 131 °F)  
Humidity 10 - 100% RH (condensing)

### Approvals

EN 50121-4, EN 55022, EN 55024, EN 61000-6-1, EN 61000-6-2, IEC/EN/UL 60950-1, IEC 60669-2-1, IEC 60669-2-2, IEC 60669-2-14, IEC 60669-2-27, IEC 60669-2-64, IEC 60669-2-78, IEC 60529  
AXIS P3364-LVE: EN 62471

### Included accessories

Installation Guide, Installation and Management Software CD, Windows decoder 1-user license, connector kit, mounting bracket, 5 m (16 ft.) network cable with pre-mounted gasket  
AXIS P3363-VE/P3364-VE/P3384-VE/P3346-VE/P3367-VE: Weather shield, smoked transparent cover

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### Dimensions and weight – AXIS P33 Network Camera Series, outdoor models

<table>
<thead>
<tr>
<th>Model</th>
<th>Weight (with weather shield)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AXIS P3363-VE, P3364-VE</td>
<td>1.5 kg (3.3 lb.)</td>
</tr>
<tr>
<td>AXIS P3364-LVE</td>
<td>1.4 kg (3.1 lb.), weather shield not included</td>
</tr>
<tr>
<td>AXIS P3384-VE, AXIS P3346-VE, AXIS P3367-VE</td>
<td>1.7 kg (3.7 lb.), with weather shield</td>
</tr>
</tbody>
</table>

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### Accessories – AXIS P33 Network Camera Series, outdoor models

**Optional accessories for outdoor models**

- Pendant adapter kit including weather shield  
- AXIS T91A Brackets  
- AXIOM Camera Companion (included), AXIOM Camera Station and video management software from Axis’ Application Development Partners (not included). For more information, see www.axis.com/products/video/software

**Video management software**

- Axis illuminators  
- Cable shield, optionally including AXIS P33-VE 3/4” NPS adapter

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