AXIS M31-VE Network Camera Series

Affordable and ultra-discreet outdoor fixed domes.

> **Flat, discreet design**

> **Excellent video quality including HDTV 720p and H.264**

> **Vandal resistant**

> **Tampering alarm**

> **Quick installation including Power over Ethernet**

The palm-sized AXIS M31-VE Network Cameras are cost-effective, ultra-discreet fixed domes for monitoring outdoor entrance areas of stores, restaurants, hotels, banks and offices.

Designed for placement near the entrance of buildings, AXIS M31-VE cameras are encased in a UV-resistant casing with a weather shield and have protection against rain, snow, sun and dust. They can operate in temperatures from 50 °C (122 °F) down to -20 °C (-4 °F). The cameras are also vandal-resistant and can detect tampering attempts such as blocking or spray-painting.

Providing excellent quality video at full frame rate, the camera series consists of AXIS M3113-VE with SVGA resolution and AXIS M3114-VE, which supports 1 megapixel and HDTV 720p. Models without the weather shield, which provide a greater tilt range, are suitable for ceiling-mount installations where the shield is not required, such as in a cold storage room or under a porch.

AXIS M31-VE cameras are designed for quick installation. The desired viewing direction and a leveled image can be easily achieved by using the supplied lens tool. The tool can also be used to exchange and focus the lens when a lens with a different angle of view is required.

The cameras provide a pixel counter for verifying that the pixel resolution of an object meets specific requirements. Power over Ethernet support further simplifies installation since only one cable is needed for carrying power and video.
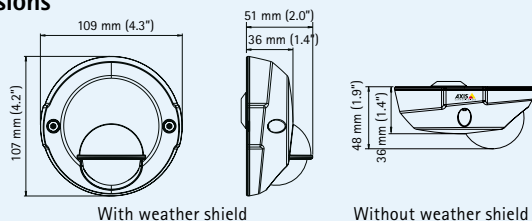

Left: setting view with lens tool
Right: model without weather shield

Technical specifications – AXIS M31-VE Network Camera Series

Camera

Models	AXIS M3113-VE: SVGA resolution, weather shield, 2.9 mm lens AXIS M3113-VE Nocap: SVGA, no weather shield, 2.9 mm lens AXIS M3114-VE: 1 MP, weather shield, 2.9 mm lens AXIS M3114-VE Nocap: 1 MP, no weather shield, 2.9 mm lens AXIS M3114-VE Nocap 2 mm: 1 MP, no weather shield, 1.97 mm lens
Image sensor	1/4" progressive scan RGB CMOS
Lens	M12 mount, fixed iris, megapixel resolution AXIS M3113-VE/Nocap: 2.9 mm, 66° view*, F2.0 AXIS M3114-VE/Nocap: 2.9 mm, 80° view*, F2.0 AXIS M3114-VE Nocap 2 mm: 1.97 mm, 105° view*, F3.0 *horizontal angle of view
Light sensitivity	AXIS M3113-VE/Nocap, AXIS M3114-VE/Nocap: 1 - 100000 lux, F2.0 AXIS M3114-VE Nocap 2 mm: 1 - 100000 lux, F3.0
Shutter time	1/24 500 s to 1/6 s
Camera angle adjustment	AXIS M31-VE: Pan ± 30°, tilt 0° - 65°, rotation ± 180° AXIS M31-VE Nocap: Pan ± 30°, tilt 0° - 90°, rotation ± 180°

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Motion JPEG
Resolutions	AXIS M3113-VE/Nocap: 800x600 to 160x90 AXIS M3114-VE (all models): 1280x800* to 160x90 *1440x900 (1.3 MP) scaled resolution available via VAPIX®
Frame rate H.264/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
Pan/Tilt/Zoom	Digital PTZ, preset positions, guard tour
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°, including Corridor Format Text and image overlay, privacy mask

Network

Security	Password protection, IP address filtering, digest authentication, HTTPS encryption**, IEEE 802.1X**, user access log
Supported protocols	IPv4/v6, HTTP, HTTPS**, SSL/TLS**, QoS Layer 3 DiffServ, FTP, 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 ONVIF, specifications at www.onvif.org AXIS Video Hosting System (AVHS) with One-Click Camera connection
Intelligent video	Video motion detection, active tampering alarm, AXIS Camera Application Platform
Events	Intelligent video
Alarm actions	File upload via FTP, HTTP and email; notification via email, HTTP and TCP; video recording to edge storage; pre- and post-alarm video buffering
Installation aids in software	Pixel counter

General

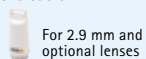|	
Casing	IP66-, IP67- and NEMA 4X-rated, IK08 impact-resistant aluminum and polycarbonate casing; dehumidifying membrane; captive screws AXIS M31-VE: with weather shield AXIS M31-VE Nocap: without weather shield
Processors and memory	ARTPEC-3, 128 MB RAM, 128 MB Flash
Power	Power over Ethernet IEEE 802.3af Class 1, max. 3.2 W
Connectors	Male RJ-45 10BASE-T/100BASE-TX PoE on a 3 m (9.8 ft.) network cable
Edge storage	Support for recording to network share (Network Attached Storage or file server)
Operating conditions	-20 °C to 50 °C (-4 °F to 122 °F) Humidity 15 - 100% RH (condensing)
Approvals	EN 55022 Class B, EN 60950-22, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, EN 55024, ICES-003 Class B, FCC Part 15 Subpart B Class B, VCCI Class B C-tick AS/NZS CISPR 22, EN 60950-1 IEC 60721-3-4 Class 4K3 (temperature range -20°C to 50°C) IEC 60529 IP66/IP67, NEMA 250 Type 4X IEC 62262 Class IK08
Weight	330 g (0.73 lb.)
Included accessories	Lens tool, top cover tool, drill hole template, mounting adapter, Installation Guide, CD with installation tools, recording software and User's Manual, Windows decoder 1-user license

**This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (www.openssl.org)
More information is available at www.axis.com

Dimensions

109 mm (4.3") · 107 mm (4.2")

51 mm (2.0") · 36 mm (1.4")

48 mm (1.9") · 36 mm (1.4")

With weather shield · Without weather shield

Included accessories (see further details in the table above)

Lens tools — For 2.9 mm and optional lenses · For 2 mm lens

Top cover tool

Adapter for surface cable mounting

Optional accessories

M12 mount lenses (not applicable for AXIS M3114-VE Nocap 2 mm)

AXIS T90A White LED Illuminators

AXIS T8412 Installation Display

AXIS Camera Station and video management software from Axis' Application Development Partners. For more information, see www.axis.com/products/video/software/

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