

# AXIS D4100-VE Mk II Network Strobe Siren

Deterrence, safety, operational efficiency

AXIS D4100-VE Mk II is a fully networked PoE powered strobe siren that easily connects to any Axis device, Axis VMS, or third-party VMS through VAPIX<sup>®</sup>, MQTT and SIP. It can signal and alarm using multicolored light patterns and predefined siren sounds. It is ideal for numerous applications such as perimeter protection (together with AXIS Perimeter Defender) and improved parking entrance management using a license plate recognition (LPR) camera. Furthermore, this robust, outdoor-ready strobe siren with IP66-, IK10- and NEMA 4X- ratings is protected from dust, rain, snow, and impacts.

- > **Light and sound in one IP-based device**
- > **Profiles with different priority levels**
- > **VAPIX, MQTT, and SIP integration**
- > **IP66, IK10, NEMA-4**
- > **5-year warranty**



# AXIS D4100-VE Mk II Network Strobe Siren

## System on chip (SoC)

### Model

NXP i.MX8M Nano UL

### Memory

1 GB RAM, 1 GB Flash

## Light

### Illumination LED

Red, blue, green, amber (RGBA) LEDs

White LEDs, max 893 lm (PoE Class 4)/220 lm (PoE Class 3)

## Siren

### Max sound pressure level

110 dB, 1 m at 3.4 kHz

### Coverage pattern

150 degree coaxial at 2 kHz

## Network

### Network protocols

IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS<sup>1</sup>, HTTP/2, TLS<sup>1</sup>, QoS Layer 3 DiffServ, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)

## System integration

### Application Programming Interface

Open API for software integration, including VAPIX® and AXIS Camera Application Platform (ACAP); specifications at [axis.com/developer-community](https://axis.com/developer-community).

One-click cloud connection

Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX.

### Video management systems

Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station 5, and video management software from Axis' partners available at [axis.com/vms](https://axis.com/vms).

### Event conditions

Call: DTMF, state, state change

Device status: above/below/within operating temperature, IP address blocked/removed, live stream active, network lost, new IP address, system ready

I/O: digital input is active, manual trigger, virtual input is active

Light and siren: Health check status

MQTT: MQTT client connected

Scheduled and recurring: schedule

### Event actions

Calls: answer call, end SIP call, make SIP call

I/O: toggle I/O once, toggle I/O while the rule is active

LEDs: flash status LED, flash status LED while the rule is active

Light and siren: profiles, health check

MQTT: send MQTT publish message

Notification: HTTP, HTTPS, TCP and email

Security: erase configuration

SNMP trap messages: send, send while the rule is active

## Approvals

### Product markings

UL/cUL, CE, KC, VCCI, RCM, ICES, WEEE

### Supply chain

TAA compliant

### EMC

CISPR 32 Class A, EN 55035, EN 55032 Class A, EN 50130-4, EN 50121-4, EN 61000-6-1, EN 61000-6-2

Australia/New Zealand: RCM AS/NZS CISPR 32 Class A

Canada: ICES-3(A)/NMB-3(A)

Japan: VCCI Class A

Korea: KS C 9835, KS C 9832 Class A

USA: FCC Part 15 Subpart B Class A

Railway: IEC 62236-4

### Safety

CAN/CSA C22.2 No. 62368-1 ed. 3,

IEC/EN/UL 62368-1 ed. 3, IEC/EN 62471 risk group 1

1. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([openssl.org](https://openssl.org)), and cryptographic software written by Eric Young ([eay@cryptsoft.com](mailto:eay@cryptsoft.com)).

## Environment

IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 60529 IP66, IEC/EN 62262 IK10, NEMA 250 Type 4X, MIL-STD-810H (Method 501.7, 502.7, 506.6, 507.6)

## Network

IPv6 USGv6, NIST SP500-267

## Cybersecurity

ETSI EN 303 645, BSI IT Security Label, BSI IT Security Label, FIPS 140

## Cybersecurity

### Edge security

**Software:** Signed OS, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 Client Credential Flow/OpenID Authorization Code Flow for centralized ADFS account management, password protection, Axis Cryptographic Module (FIPS 140-2 level 1)

**Hardware:** Axis Edge Vault cybersecurity platform  
Secure keystore: secure element (CC EAL 6+, FIPS 140-3 Level 3), system-on-chip security (TEE), TPM (CC EAL4+, FIPS 140-2 Level 2)

Axis device ID, secure boot, encrypted filesystem (AES-XTS-Plain64 256bit)

### Network security

IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2)<sup>2</sup>, IEEE 802.1AR, HTTPS/HSTS<sup>2</sup>, TLS v1.2/v1.3<sup>2</sup>, Network Time Security (NTS), X.509 Certificate PKI, host-based firewall

## Documentation

*AXIS OS Hardening Guide*

*Axis Vulnerability Management Policy*

*Axis Security Development Model*

AXIS OS Software Bill of Material (SBOM)

To download documents, go to [axis.com/support/cybersecurity/resources](https://axis.com/support/cybersecurity/resources)

To read more about Axis cybersecurity support, go to [axis.com/cybersecurity](https://axis.com/cybersecurity)

## General

### Casing

IP66-, NEMA 4X- and IK10-rated  
Aluminum and plastic casing  
Color: white NCS S 1002-B

## Mounting

Mounting bracket with junction box holes (double-gang, single-gang, and 4" octagon)  
For wall and ceiling mount: 1/4"-20 UNC tripod screw thread  
1/2" conduit fitting with optional accessory

## Power

Power over Ethernet (PoE) IEEE 802.3at Type 2 Class 4, max 22.6 W, typical 1.5 W  
Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3<sup>3</sup>, max 9.4 W, typical 1.5 W

## Environmental sensors

Environmental sensors through portcast technology accessories. For more information, see *Optional accessories*.

## Connectors

Shielded RJ45 10BASE-T/100BASE-TX PoE  
I/O: 4-pin 2.5 mm terminal block (2 configurable input/output I/Os)

## Operating conditions

-40 °C to 60 °C (-40 °F to 140 °F)  
Start-up temperature: -40 °C (-40 °F)  
Humidity 10–100% RH (condensing)

## Storage conditions

-40 °C to 70 °C (-40 °F to 158 °F)  
Humidity 5–95% RH (non-condensing)

## Dimensions

For the overall product dimensions, see the dimension drawing in this datasheet.  
Effective Projected Area (EPA): 0.023 m<sup>2</sup> (0.25 ft<sup>2</sup>)

## Weight

1000 g (2.2 lb)

## Box content

Network strobe siren, installation guide, terminal block connector, cable gaskets, connector guard

## System tools

AXIS Site Designer, AXIS Device Manager, product selector, accessory selector  
Available at [axis.com](https://axis.com)

2. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([openssl.org](https://openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).

3. With reduced light brightness

## Languages

English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese

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## Warranty

5-year warranty, see [axis.com/warranty](https://axis.com/warranty)

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## Part numbers

Available at [axis.com/products/axis-d4100-ve-mk-ii-network-strobe-siren#part-numbers](https://axis.com/products/axis-d4100-ve-mk-ii-network-strobe-siren#part-numbers)

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## Optional accessories

### Portcast

AXIS D6210 Air Quality Sensor (PoE class 4)

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### Installation

AXIS T8415 Wireless Installation Tool

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### Mounting

D4100-VE Mk II-specific accessories

TD4601 ACI Conduit Bracket, TD4801 Sunshield

Other compatible accessories

T94K01D Pendant Kit, T94N01D Pendant Kit, T91B47 Pole Mount, T94R01B Corner Bracket, T91A64 Corner Bracket, T94V01C Dual Camera Mount, T91A33 Lighting Track Mount, T91A23 Tile Grid Ceiling Mount, T91A04 Camera Holder 3/4" NPS, ACI Conduit Adapter 1/2"-3/4" NPS (together with TD4601 ACI Conduit Bracket), ACI Conduit Adapter 1/2" U-Shaped 20 mm (together with TD4601 ACI Conduit Bracket), T94S01P Conduit Back Box, TD4301-E Angle Mount

For more accessories, see [axis.com](https://axis.com)

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## Sustainability

### Substance control

PVC free, BFR/CFR free in accordance with JEDEC/ECA Standard JS709

RoHS in accordance with EU RoHS Directive 2011/65/EU and 2015/863, and standard EN IEC 63000:2018

REACH in accordance with (EC) No 1907/2006. For SCIP UUID, see [echa.europa.eu](https://echa.europa.eu)

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### Materials

Renewable carbon-based plastic content: 3% (recycled)  
Screened for conflict minerals in accordance with OECD guidelines

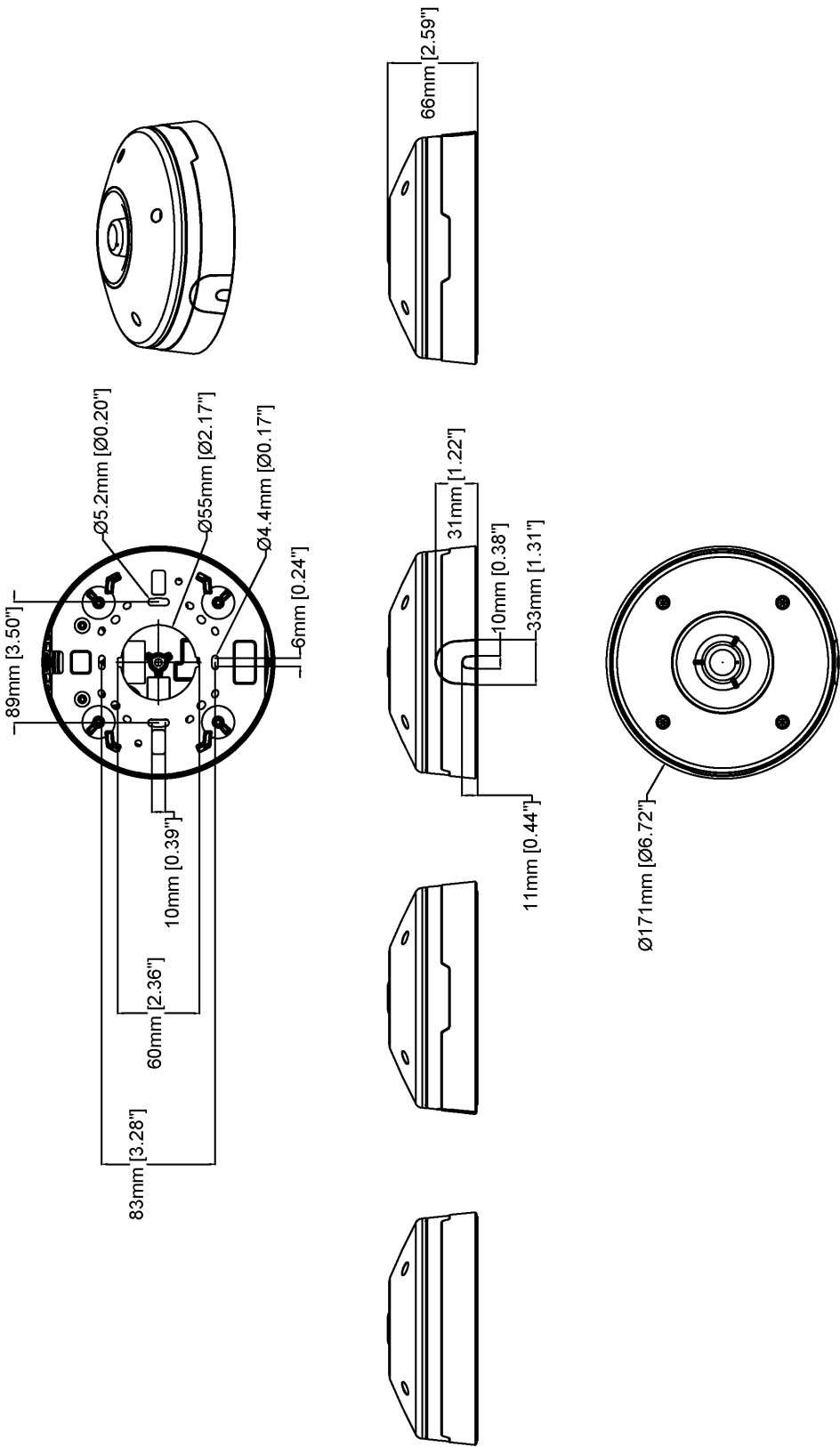
To read more about sustainability at Axis, go to [axis.com/about-axis/sustainability](https://axis.com/about-axis/sustainability)

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## Environmental responsibility

[axis.com/environmental-responsibility](https://axis.com/environmental-responsibility)

Axis Communications is a signatory of the UN Global Compact, read more at [unglobalcompact.org](https://unglobalcompact.org)



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