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®, 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[1], HTTP/2, TLS[1], 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*.
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.*

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

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1. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (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, 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)[2], IEEE
802.1AR, HTTPS/HSTS[2], TLS v1.2/v1.3[2], 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*
To read more about Axis cybersecurity support, go to
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: ¼"-20 UNC tripod screw
thread
½" 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[3], 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 m² (0.25 ft²)

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*

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2. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software
written by Eric Young (eay@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

Warranty

5-year warranty, see *axis.com/warranty*

Part numbers

Available at *axis.com/products/axis-d4100-ve-mk-ii-network-strobe-siren#part-numbers*

Optional accessories

Portcast

AXIS D6210 Air Quality Sensor (PoE class 4)

Installation

AXIS T8415 Wireless Installation Tool

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 ¾" 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*

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*

Materials

Renewable carbon-based plastic content: 3% (recycled)
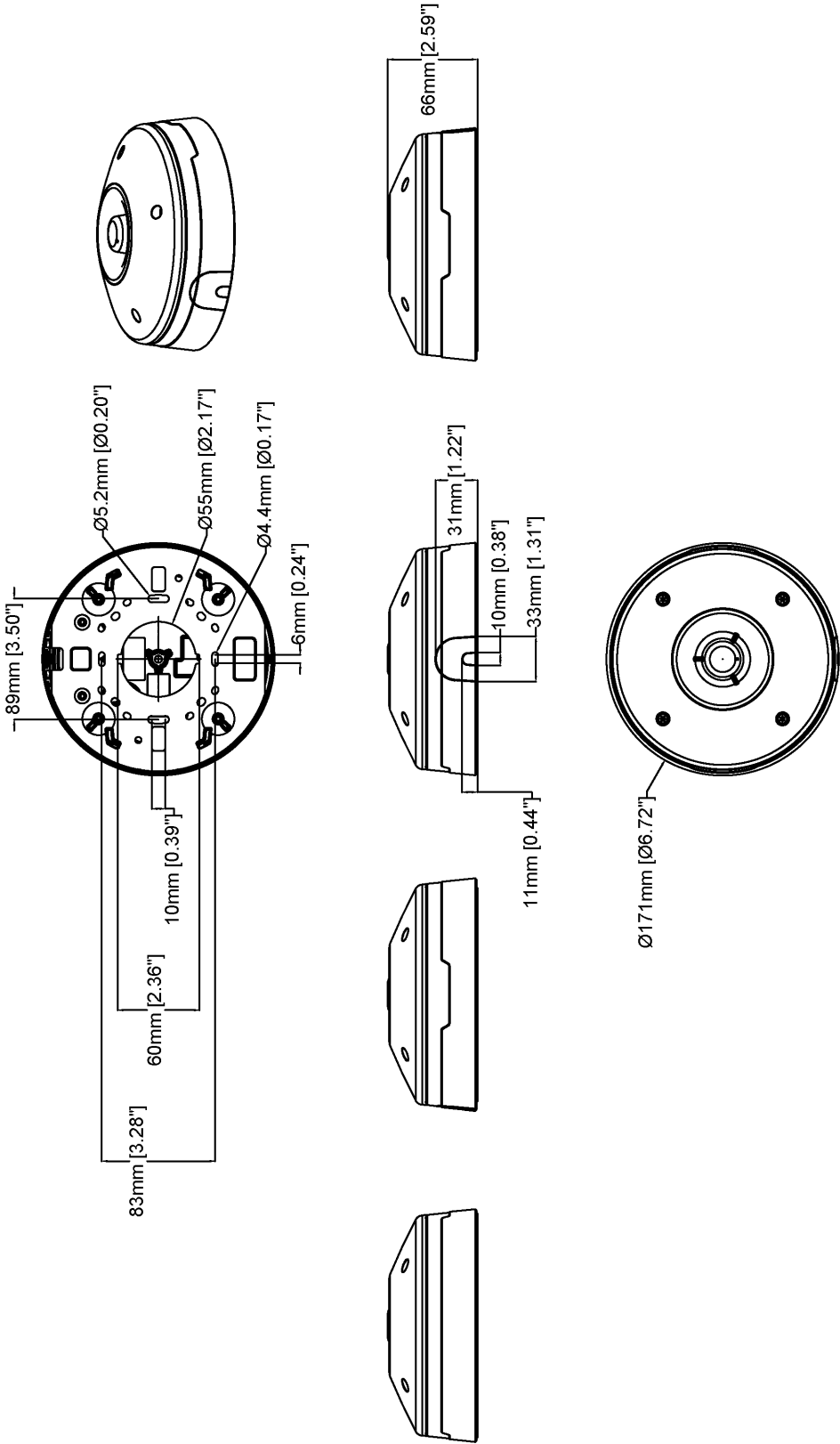Screened for conflict minerals in accordance with OECD guidelines
To read more about sustainability at Axis, go to *axis.com/about-axis/sustainability*

Environmental responsibility

axis.com/environmental-responsibility
Axis Communications is a signatory of the UN Global Compact, read more at *unglobalcompact.org*

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Revision	v.01	Revision date	2025-03-06
Paper size	A4	Release date	2025-03-06
Created by	DG	Scale	1:4

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Ø5.2mm [Ø0.20"]
Ø55mm [Ø2.17"]
Ø4.4mm [Ø0.17"]
6mm [0.24"]
89mm [3.50"]
10mm [0.39"]
60mm [2.36"]
83mm [3.28"]
66mm [2.59"]
31mm [1.22"]
10mm [0.38"]
33mm [1.31"]
11mm [0.44"]
Ø171mm [Ø6.72"]

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