

# AXIS D4100-E Network Strobe Siren

Deterrence, safety, operational efficiency

AXIS D4100-E is a fully networked strobe siren for numerous applications. Through VAPIX<sup>®</sup>, MQTT or SIP, it connects to any Axis device, Axis VMS, or to third-party VMS to signal and alarm using strobe lighting and siren alarms. For instance, it's ideal for perimeter protection with AXIS Perimeter Defender, or for improved parking entrance management with a license plate recognition (LPR) camera. Including various sound clips and white/RGBA light patterns, it can be set up with profiles to trigger different responses. Powered with PoE, this robust, IP66-, NEMA-4X- and IK10-rated device comes with first-class quality, support, and a 5-year warranty.

- > [Light and sound in one IP-based device](#)
- > [Profiles with different priority levels](#)
- > [VAPIX, MQTT and SIP integration](#)
- > [IP66, IK10, NEMA-4X rated casing](#)
- > [5-year warranty](#)



# AXIS D4100-E Network Strobe Siren

## 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

**Security** IP address filtering, HTTPS<sup>a</sup> encryption, IEEE 802.1x (EAP-TLS)<sup>b</sup> network access control, user access log, centralized certificate management, signed video, Axis Edge Vault, Axis device ID, secure keystore (CC EAL4 certified)

**Network protocols** IPv4, IPv6, USGv6, ICMPv4/ICMPv6, HTTP, HTTPS<sup>c</sup>, HTTP/2, TLS<sup>d</sup>, SMTP, mDNS (Bonjour), UPnP<sup>e</sup>, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SSH, SIP, LLDP, CDP, MQTT, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)

## System integration

**Application Programming Interface** Open API for software integration, including VAPIX<sup>®</sup> and AXIS Camera Application Platform; specifications at [axis.com](http://axis.com)  
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.

**Event conditions** I/O: virtual input, manual trigger, digital input  
Light and siren: health check status  
Device status: operating temperature, system ready, network lost, new IP address, IP address removed  
MQTT: stateful, stateless  
Call: state change, state  
MQTT subscribe  
Scheduled and recurring: schedule

**Event actions** SNMP trap message  
Light and siren: profiles, health check  
Status LED  
Notification: email, HTTP, HTTPS, TCP  
I/O: toggle  
MQTT  
Calls: SIP calls  
MQTT publish

**Data streaming** Event data

## Approvals

**EMC** CISPR 32 Class A, EN 50121-4, EN 55032 Class A, EN 55035, EN 50130-4, EN 61000-6-1, EN 61000-6-2, IEC 62236-4  
Australia/New Zealand: RCM AS/NZS CISPR 32 Class A  
Canada: ICES-3(A)/NMB-3(A)  
Japan: VCCI Class A  
Korea: KS C 9832 Class A, KS C 9835  
USA: FCC Part 15 Subpart B Class A

**Safety** CAN/CSA-C22.2 No. 60950-22, CAN/CSA C22.2 No. 62368-1, IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IEC 62471

**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** NIST SP500-267

**Cybersecurity** ETSI EN 303 645, BSI IT Security Label

## Cybersecurity

**Edge security** Software: Signed OS, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 OpenID Authorization Code Flow for centralized ADFS account management, password protection, AES-XTS-Plain64 256bit SD card encryption  
Hardware: Axis Edge Vault cybersecurity platform  
Secure element (CC EAL 6+), Axis device ID, secure keystore, signed video, secure boot

**Network security** IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2)<sup>e</sup>, IEEE 802.1AR, HTTPS/HSTS<sup>f</sup>, TLS v1.2/v1.3<sup>g</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](http://axis.com/support/cybersecurity/resources)  
To read more about Axis cybersecurity support, go to [axis.com/cybersecurity](http://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

**Sustainability** PVC free

**Memory** 256 MB RAM, 512 MB Flash

**Power** Power over Ethernet (PoE) IEEE 802.3at Type 2 Class 4, max 25.5 W, typical 1.3 W  
Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3<sup>h</sup>, max 12.95 W, typical 1.3 W

**Connectors** Shielded RJ45 10BASE-T/100BASE-TX PoE  
I/O: 4-pin 2.5 mm terminal block (2 configurable inputs and outputs)

**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** Height: 66 mm (2.6 in)  
ø 170 mm (6.7 in)

**Weight** 1000 g (2.2 lb)

**Included accessories** Installation guide, Resistorx<sup>®</sup> TR20 bit, terminal block connector, cable gaskets, connector guard

**Optional accessories** D4100-E specific accessories  
TD4601 ACI Conduit Bracket, TD4801 Sunshield  
Other compatible accessories  
AXIS T8415 Wireless Installation Tool, 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), AXIS Dome Intrusion Switch C  
For more accessories, see [axis.com](http://axis.com)

**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](http://axis.com/vms).

**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](http://axis.com/warranty)

- This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([openssl.org](http://openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).
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h. *With reduced light brightness*