

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**



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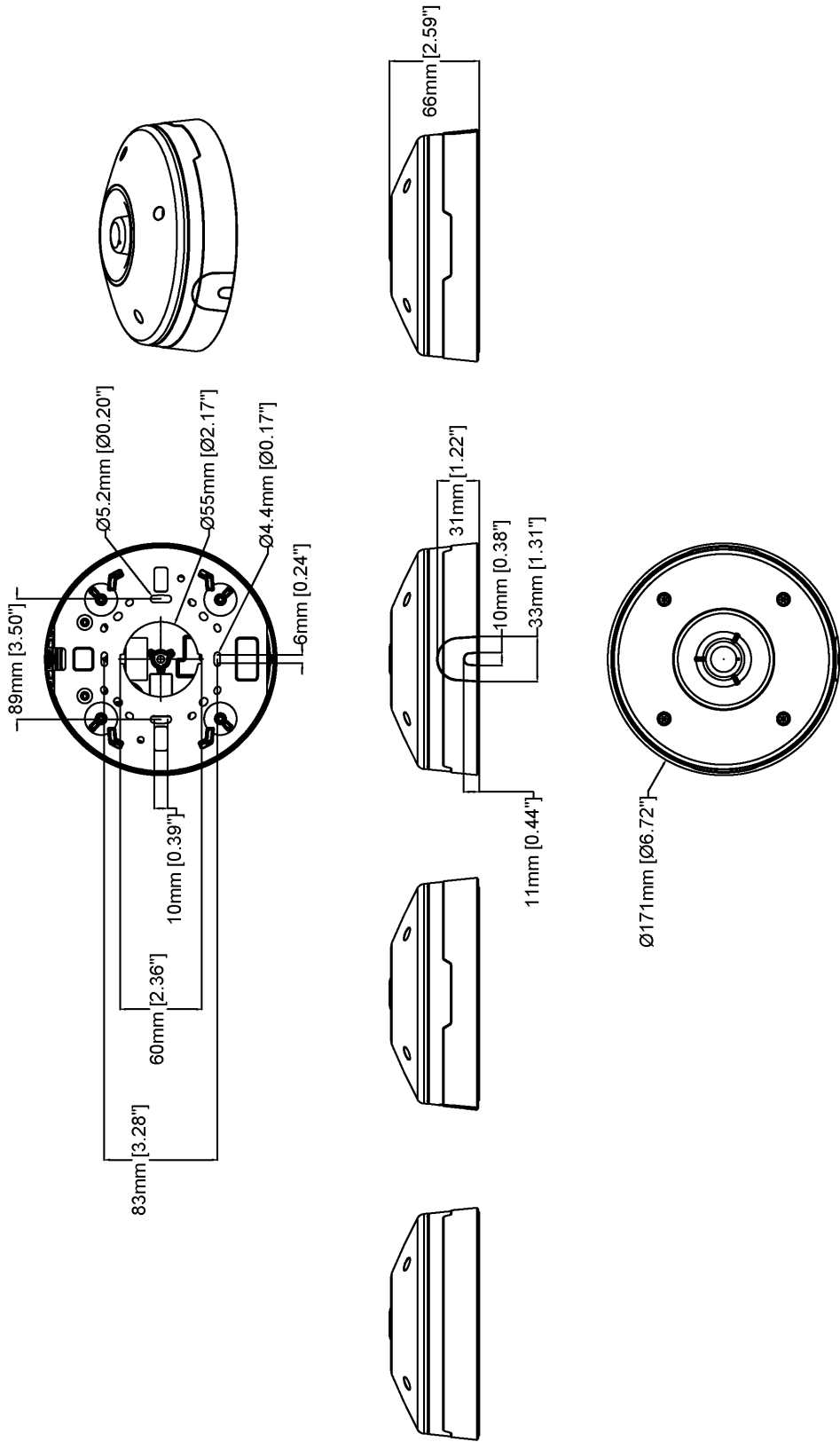
System on chip (SoC)		Hardware: Axis Edge Vault cybersecurity platform Secure keystore: secure element (CC EAL 6+, FIPS 140-3 Level 3), system-on-chip security (TEE), TPM (CC EAL4+, FIPS 140-2 Level 2) Axis device ID, secure boot, encrypted filesystem (AES-XTS-Plain64 256bit)
Model	NXP i.MX8M Nano UL	
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 ^a , HTTP/2, TLS ^b , QoS Layer 3 DiffServ, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP ^c , 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	
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 OpenID Authorization Code Flow for centralized ADFS account management, password protection	
Network security		IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2) ^c , IEEE 802.1AR, HTTPS/HSTS ^d , TLS v1.2/v1.3 ^e , Network Time Security (NTS), X.509 Certificate PKI, host-based firewall
Documentation		<i>AXIS OS Hardening Guide</i> <i>Axis Vulnerability Management Policy</i> <i>Axis Security Development Model</i> 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 3f, max 9.4 W, typical 1.5 W	
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 ² (0.25 ft ²)	
Weight	1000 g (2.2 lb)	
Box content	Network strobe siren, installation guide, terminal block connector, cable gaskets, connector guard	
Optional accessories	D4100-VE Mk II-specific accessories TD4601 ACI Conduit Bracket, TD4801 Sunshield Other compatible accessories 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), T94S01P Conduit Back Box, TD4301-E Angle Mount For more accessories, see axis.com	
System tools	AXIS Site Designer, AXIS Device Manager, product selector, accessory selector Available at axis.com	
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	
Sustainability		
Substance control	PVC free, BFR/CFR free in accordance with JEDEC/ECA Standard J5709 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

a. *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).*

- b. *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).*
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- e. *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).*
- f. *With reduced light brightness*



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