AXIS D1110 Video Decoder 4K

4K video decoder with HDMI™ output

This 4K video decoder can be used to display live video in sequence view, and up to 8 video streams in multiview. It offers a cost-effective solution for video monitoring where live video can be displayed without the use of a PC. It can be used with monitors that support HDMI, plus, it can display advertisements or general information with or without audio. Furthermore, it supports both PoE and DC power for fast and easy installation.

- > 4K video with HDMI output
- > PoE or DC powered
- > Audio out
- > Seamless sequencing and multiview
- > Intuitive Axis interface

4K NETWORK VIDEO

AXIS D1110 Video Decoder 4K

System on chip (SoC)

Model	i.MX8 QuadPlus
Memory	2 GB RAM, 1 GB Flash

Video

Video compression	H.264/AVC (MPEG-4 Part 10/AVC Baseline, Main and High profile (B-frame and interlaced rendering are not supported)) H.265/HEVC Main profile
Frame rate	Up to 60 fps depending on resolution
Video streaming	Up to eight streams in VPU (Video Processing Unit)
Video output	All formats 16:9: **UHD** 3840x2160 @25/30 fps (50/60 Hz) **FHD 1080p** 1920x1080 @50/60 fps (50/60 Hz) 1920x1080 @25/30 fps (50/60 Hz) **HD 720p** 1280x720 @50/60 fps (50/60 Hz) **SD** 720x576 @50 fps (50 Hz) 720x480 @60 fps (60 Hz)

Audio

Audio output	Line output, HDMI (stereo)

Network

Network protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS[a], HTTP/2, TLS[a], CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP, v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf), IEEE 802.1X (EAP-TLS), IEEE 802.1AR

System integration

Application Programming Interface	Open API for software integration, including VAPIX®, AXIS Camera Application Platform (ACAP); specifications at *axis.com/developer-community*. ACAP includes Native SDK One-click cloud connection
Video management systems	Compatible with AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at *axis.com/vms*
Event conditions	IP address removed, live stream active, network lost, new IP address, system ready Edge storage: storage disruption, storage health issues detected I/O: manual trigger, virtual input MQTT: stateless Scheduled and recurring: schedule
Event actions	MQTT: publish Notification: HTTP, HTTPS, TCP and email SNMP traps: send, send while the rule is active Status LED: flash, flash while the rule is active

Approvals

Product markings	UL/cUL, UKCA, CE, KC, VCCI, RCM
Supply chain	TAA compliant
EMC	CISPR 35, CISPR 32 Class A, EN 55035, EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, 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
Safety	IEC/EN/UL 62368-1 ed. 3, CAN/CSA C22.2 No. 62368-1 ed. 3
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 IP30
Network	NIST SP500-267

Cybersecurity

Edge security	**Software:** Signed firmware, brute force delay protection, digest authentication, password protection **Hardware:** Axis Edge Vault cybersecurity platform Secure element (CC EAL 6+), Axis device ID, secure keystore, secure boot
Network security	IEEE 802.1X (EAP-TLS)[a], IEEE 802.1AR, HTTPS/HSTS[a], TLS v1.2/v1.3[a], Network Time Security (NTS), X.509 Certificate PKI, IP address filtering
Documentation	*AXIS OS Hardening Guide* *Axis Vulnerability Management Policy* *Axis Security Development Model* To download documents, go to *axis.com/support/cybersecurity/resources* To read more about Axis cybersecurity support, go to *axis.com/cybersecurity*

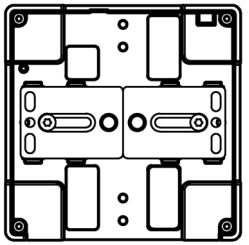
General

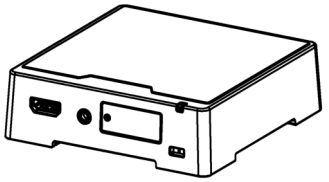
Casing	IP30-rated Aluminum casing Color: NCS S 9000-N Security slot
Mounting	AXIS T91A03 DIN Rail Clip A, mounting bracket, compatible with VESA mounting hole patterns
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 2 Class 4 10–28 V DC, max 17 W
Connectors	Network: RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE Audio: 3.5 mm line out, stereo Power: DC input, terminal block 2x USB type A SD-card slot (Highspeed/UHS-1) HDMI type A[b], CEC supported
Storage	Support for microSD/microSDHC/microSD UHS-1 card
Operating conditions	0 °C to 40 °C (32 °F to 104 °F) Humidity 10–85% RH (non-condensing)
Storage conditions	-20 °C to 65 °C (-4 °F to 149 °F) Humidity 5–95% RH (non-condensing)
Dimensions	For the overall product dimensions, see the dimension drawing in this datasheet
Weight	500 g (1.10 lb)
Box content	Video decoder, installation guide, terminal block connector
Optional accessories	AXIS Strain Relief TD3901, AXIS T91A03 DIN Rail Clip A, AXIS T8415 Wireless Installation Tool, AXIS Surveillance Cards For more accessories, go to *axis.com/products/axis-d1110#accessories*
System tools	AXIS Site Designer, AXIS Device Manager, product selector, accessory selector, lens calculator 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-d1110#part-numbers*

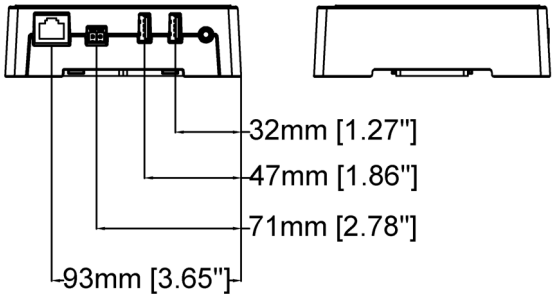
Sustainability

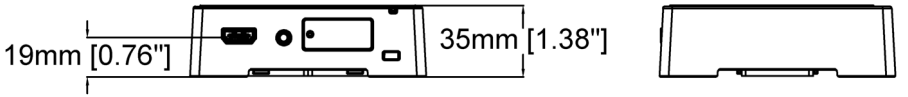
Substance control	RoHS in accordance with EU RoHS Directive 2011/65/EU/ and EN 63000:2018 REACH in accordance with (EC) No 1907/2006. For SCIP UUID, see *echa.europa.eu*
Materials	Screened for conflict minerals in accordance with OECD guidelines To read more about sustainability at Axis, go to *axis.com/about-axis/sustainability*
Environmental responsibility	*axis.com/environmental-responsibility* Axis Communications is a signatory of the UN Global Compact, read more at *unglobalcompact.org*

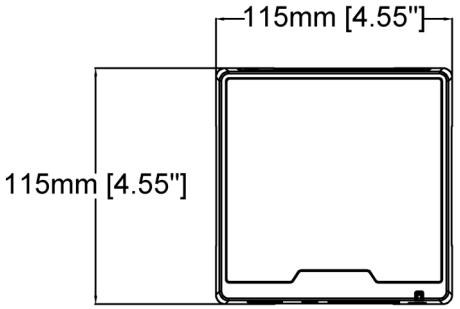
a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*
b. *ATC certified*











AXIS D1110 Video Decoder 4K

Revision	v.01	Revision date	2021-06-07
Paper size	A4	Release date	2021-06-07
Created by	JSK	Scale	1:3

T10183967/EN/M2.2/2309

Key features and technologies

Axis Edge Vault

Axis Edge Vault is the hardware-based cybersecurity platform that safeguards the Axis device. It forms the foundation that all secure operations depend on and offers features to protect the device's identity, safeguard its integrity from factory and protect sensitive information from unauthorized access.

Establishing the root of trust starts at the device's boot process. In Axis devices, the hardware-based mechanism **secure boot** verifies the operating system (AXIS OS) that the device is booting from. AXIS OS, in turn, is cryptographically signed (**signed firmware**) during the build process. Secure boot and signed firmware tie into each other and ensure that the firmware has not been tampered with during the lifecycle of the device and that the device only boots from authorized firmware. This creates an unbroken chain of cryptographically validated software for the chain of trust that all secure operations depend on.

From a security aspect, the **secure keystore** is the critical building-block for protecting cryptographic information used for secure communication (IEEE 802.1X, HTTPS, Axis device ID, access control keys etc..) against malicious extraction in the event of a security breach. The secure keystore is provided through a Common Criteria and/or FIPS 140 certified hardware-based cryptographic computing module. Depending on security requirements, an Axis device can have either one or multiple such modules, like a TPM 2.0 (Trusted Platform Module) or a secure element, and/or a system-on-chip (SoC) embedded Trusted Execution Environment (TEE).

To read more about Axis Edge Vault, go to *axis.com/solutions/edge-vault*.

For more information, see *axis.com/glossary*