

# 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**



# AXIS D1110 Video Decoder 4K

## System on chip (SoC)

<b>Model</b>	i.MX8 QuadPlus
<b>Memory</b>	2 GB RAM, 1 GB Flash

## Video

<b>Video compression</b>	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
<b>Frame rate</b>	Up to 60 fps depending on resolution
<b>Video streaming</b>	Up to nine streams (eight using VPU, one using CPU)
<b>Video output</b>	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

<b>Audio output</b>	Line output, HDMI (stereo)
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## Network

<b>Network protocols</b>	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS <sup>a</sup> , HTTP/2, TLS, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>®</sup> , 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
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## System integration

<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> , AXIS Camera Application Platform (ACAP); specifications at <a href="https://axis.com/developer-community">axis.com/developer-community</a> . ACAP includes Native SDK One-click cloud connection
<b>Video management systems</b>	Compatible with AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at <a href="https://axis.com/vms">axis.com/vms</a>
<b>Event conditions</b>	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
<b>Event actions</b>	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

<b>Product markings</b>	UL/cUL, UKCA, CE, KC, VCCI, RCM
<b>Supply chain</b>	TAA compliant
<b>EMC</b>	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
<b>Safety</b>	IEC/EN/UL 62368-1 ed. 3, CAN/CSA C22.2 No. 62368-1 ed. 3
<b>Environment</b>	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
<b>Network</b>	NIST SP500-267
<b>Cybersecurity</b>	ETSI EN 303 645

## Cybersecurity

<b>Edge security</b>	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
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**Hardware:** Axis Edge Vault cybersecurity platform  
Secure element (CC EAL 6+), system-on-chip security (TEE), Axis device ID, secure keystore, secure boot, encrypted filesystem (AES-XTS-Plain 256bit)

<b>Network security</b>	IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2), IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR, HTTPS/HSTS, TLS v1.2/v1.3, Network Time Security (NTS), X.509 Certificate PKI, host-based firewall
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<b>Documentation</b>	<i>AXIS OS Hardening Guide</i> <i>Axis Vulnerability Management Policy</i> <i>Axis Security Development Model</i> To download documents, go to <a href="https://axis.com/support/cybersecurity/resources">axis.com/support/cybersecurity/resources</a> To read more about Axis cybersecurity support, go to <a href="https://axis.com/cybersecurity">axis.com/cybersecurity</a>
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## General

<b>Casing</b>	IP30-rated Aluminum casing Color: NCS S 9000-N Security slot
<b>Mounting</b>	AXIS T91A03 DIN Rail Clip A, mounting bracket, compatible with VESA mounting hole patterns
<b>Power</b>	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 2 Class 4 10–28 V DC, max 17 W
<b>Connectors</b>	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 <sup>®</sup> , CEC supported
<b>Storage</b>	Support for microSD/microSDHC/microSD UHS-1 card
<b>Operating conditions</b>	0 °C to 40 °C (32 °F to 104 °F) Humidity 10–85% RH (non-condensing)
<b>Storage conditions</b>	-20 °C to 65 °C (-4 °F to 149 °F) Humidity 5–95% RH (non-condensing)
<b>Dimensions</b>	For the overall product dimensions, see the dimension drawing in this datasheet
<b>Weight</b>	500 g (1.10 lb)
<b>Box content</b>	Video decoder, installation guide, terminal block connector
<b>Optional accessories</b>	AXIS TU9001 Control Board, AXIS Strain Relief TD3901, AXIS T91A03 DIN Rail Clip A, AXIS T8415 Wireless Installation Tool, AXIS Surveillance Cards For more accessories, go to <a href="https://axis.com/products/axis-d1110#accessories">axis.com/products/axis-d1110#accessories</a>
<b>System tools</b>	AXIS Site Designer, AXIS Device Manager, product selector, accessory selector Available at <a href="https://axis.com">axis.com</a>
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
<b>Warranty</b>	5-year warranty, see <a href="https://axis.com/warranty">axis.com/warranty</a>
<b>Part numbers</b>	Available at <a href="https://axis.com/products/axis-d1110#part-numbers">axis.com/products/axis-d1110#part-numbers</a>

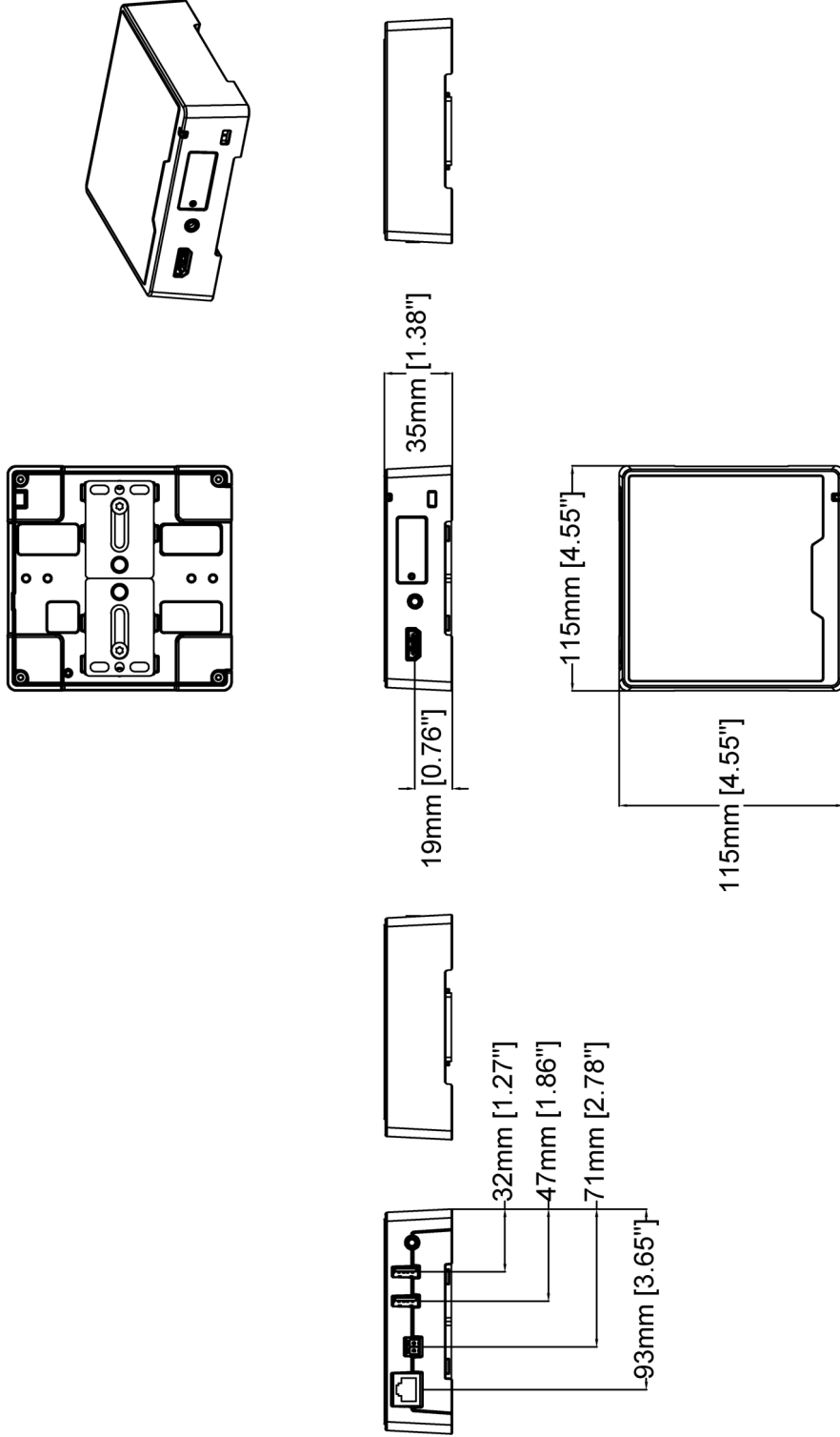
## Sustainability

<b>Substance control</b>	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 <a href="https://echa.europa.eu">echa.europa.eu</a>
<b>Materials</b>	Screened for conflict minerals in accordance with OECD guidelines To read more about sustainability at Axis, go to <a href="https://axis.com/about-axis/sustainability">axis.com/about-axis/sustainability</a>
<b>Environmental responsibility</b>	<a href="https://axis.com/environmental-responsibility">axis.com/environmental-responsibility</a> Axis Communications is a signatory of the UN Global Compact, read more at <a href="https://unglobalcompact.org">unglobalcompact.org</a>

a. 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)).

b. *ATC certified*

# Dimension drawing



## 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

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## Highlighted capabilities

### 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 offer features to protect the device's identity, safeguard its integrity and protect sensitive information from unauthorized access. For instance, **secure boot** ensures that a device can boot only with **signed OS**, which prevents physical supply chain tampering. With signed OS, the device is also able to validate new device software before accepting to install it. And the **secure keystore** is the critical building-block for protect-

ing 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 and secure connections are provided through a Common Criteria or FIPS 140 certified hardware-based cryptographic computing module.

To read more about Axis Edge Vault, go to [axis.com/solutions/edge-vault](https://axis.com/solutions/edge-vault).

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