![AXIS COMMUNICATIONS logo]

# AXIS D3110 Connectivity Hub
## Secure sensor and audio integration

AXIS D3110 gives sensor and audio capabilities to network video systems that don't have them or need additional ones—a perfect t in an Axis end-to-end solution. It connects to a broad range of non-visual sensors to trigger alarms and events in the system. Connected to a microphone, a speaker, or both, AXIS D3110 increases scene awareness through high-quality audio. AXIS Camera Application Platform (version 4) supported by the device makes it possible to run customized applications, including in containerized environments. Integration is secure and seamless through VAPIX®, MQTT, or SIP. Built-in cybersecurity functionality prevents unauthorized access and safeguards the system.

> Eight supervised configurable I/Os

> Two audio-in ports, one audio-out port

> VAPIX®, MQTT, SIP integration

> ACAP and container support

> Built-in cybersecurity features

# AXIS D3110 Connectivity Hub

| System on chip (SoC) | |
|---|---|
| **Model** | i.MX 6ULL |
| **Memory** | 512 MB RAM, 512 MB Flash |

| Audio | |
|---|---|
| **Audio streaming** | Two-way, full duplex |
| **Audio encoding** | 24bit LPCM, AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz |
| **Audio input/output** | Input: 2 x 5V Unbalanced microphone / 12V Balanced Phantom power Microphone Input / 12V digital audio input/ Line in Output: Line out |

| Network | |
|---|---|
| **Security** | IP address filtering, HTTPS[a] encryption, IEEE 802.1x (EAP-TLS)[a] network access control, user access log, centralized certificate management, Axis Edge Vault with Axis device ID |
| **Network protocols** | IPv4, IPv6 USGv6, HTTP, HTTPS[a], HTTP/2, SSL/TLS[a], QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, SIP, LLDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS) |

| System integration | |
|---|---|
| **Application Programming Interface** | Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at *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 triggers** | External input, supervised external input, edge storage events, virtual inputs through API Detectors: audio detection Hardware: network, ring power overcurrent Input Signal: virtual input, digital input, supervised input tampering, manual input Storage: disruption, health issues detected, recording System: system ready, new IP address, IP address removed, live stream active Time: recurrence, use schedule MQTT: stateful, stateless Audio: audio clipp playing Digital audio signal: invalid sample rate, contains axis metadata, missing, okay SIP: call state |
| **Event actions** | Record audio: SD card and network share Notification: email, HTTP, HTTPS, TCP and SNMP trap External output activation, play audio clip, MQTT, make call, status LED |
| **Filters** | Voice enhancer, Automatic Gain Control (AGC), graphic equalizer |

| Cybersecurity | |
|---|---|
| **Edge security** | **Software:** Signed firmware, brute force delay protection, digest authentication, password protection, AES-XTS-Plain64 256bit SD card encryption **Hardware:** Secure boot |
| **Network security** | IEEE 802.1X (EAP-TLS)[a], 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* 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** | Aluminum casing Color: black NCS S 9000-N |
| **Mounting** | T91A03 DIN Clip A Mounting bracket |
| **Sustainability** | PVC free, BFR/CFR free |
| **Power** | Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 4 W, max 12.95 W or 10–28 V DC, typical 5 W, max 13.5 W |
| **Connectors** | 1 x Shielded RJ45 10BASE-T/100BASE-TX PoE 2 x 6-pin 2.5 mm terminal block for 8 x supervised configurable I/Os (12 V DC output, max load 50 mA) 2 x USB Type A 1 x RS485/RS422, 2 pcs, 2 pos, full duplex, terminal block 1 x relay, terminal block 1 x DC input, terminal block 2 x 3.5 mm input 1 x 3.5 mm output |
| **Storage** | Support for microSD/microSDHC/microSDXC card |
| **Operating conditions** | - 40 °C to 65 °C (-40 °F to 149 °F) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F) Humidity 10–85% RH (non-condensing) |
| **Storage conditions** | -40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing) |
| **Approvals** | **EMC** CISPR 35, EN 50121-4, EN 50130-4, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, IEC 62236-4, KC KN32 Class A, KC KN35, RCM AS/NZS CISPR 32 Class A, VCCI Class A **Safety** CAN/CSA C22.2 No. 62368-1, IEC/EN/UL 62368-1, UL 2043 **Environment** IEC 60068-2-1, IEC 60068-2-14, IEC 60068-2-2, IEC 60068-2-27, IEC 60068-2-6, NEMA TS 2 (2.2.7-2.2.9) **Network** NIST SP500-267 |
| **Dimensions** | Height: 42.2 mm (1.7 in) Depth: 117.8 mm (4.6 in) Width: 99 mm (3.9 in) |
| **Weight** | 392 g (0.9 lb) |
| **Included accessories** | Installation guide, connector kit, terminal block connector |
| **Optional accessories** | DIN T91A03 Clip A AXIS TD3901 Strain Relief AXIS T8415 Wireless Installation Tool AXIS Surveillance Cards For more accessories, see *axis.com* |
| **Languages** | English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese |
| **Warranty** | 5-year warranty, see *axis.com/warranty* |

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).*

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