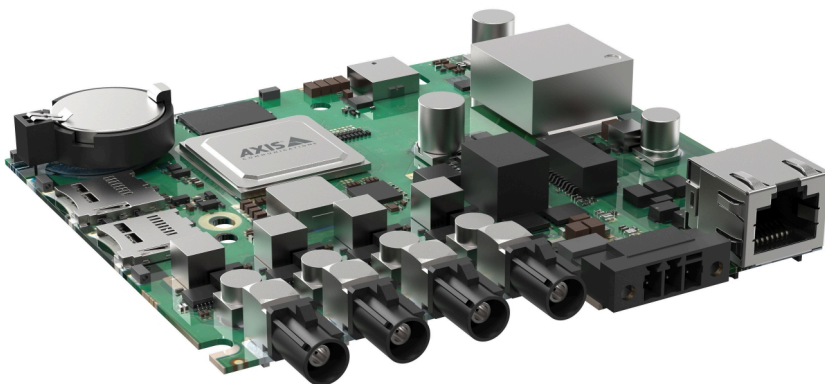


# AXIS F9104-B Main Unit

## 4-channel modular barebone unit

AXIS F9104-B is excellent for building customized video solutions. Sold without a casing, this UL recognized barebone main unit is ideal for integration into a UL certified end-product. Based on a divided camera concept, it can be installed indoors or inside vehicles. It supports four HDTV 1080p video streams at 30 fps on all channels and requires only one video management software (VMS) license. Furthermore, it offers built-in cybersecurity features such as Axis Edge Vault to protect your Axis device ID and simplify authorization of Axis devices on your network.

- > **UL recognized component**
- > **Multiple sensor and cable options**
- > **Easy integration and installation**
- > **1080p at 30 fps on 4-channels**
- > **Built-in cybersecurity with Axis Edge Vault**



# AXIS F9104-B Main Unit

## System on chip (SoC)

<b>Model</b>	ARTPEC-7
<b>Memory</b>	2x 1024 MB RAM, 512 MB Flash

## Video

<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG
<b>Resolution</b>	1920x1080 HDTV 1080p
<b>Frame rate</b>	Up to 30 fps in 1080p (WDR mode) and up to 60 fps in 720p
<b>Video streaming</b>	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265 Low latency mode Video streaming indicator

<b>Image settings</b>	Contrast, brightness, sharpness, Forensic WDR, fixed orientation aid, white balance, tone mapping, exposure control, exposure zones, compression, rotation: 0°, 90°, 180°, 270°, mirroring, polygon privacy mask, control queue
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## Network

<b>Network protocols</b>	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS <sup>a</sup> , HTTP/2, TLS <sup>b</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>c</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, RTCP, DHCP, SSH, SIP, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)
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## System integration

<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="https://axis.com/developer-community">axis.com/developer-community</a> One-click cloud connection ONVIF <sup>®</sup> Profile G and ONVIF <sup>®</sup> Profile S, specification at <a href="https://onvif.org">onvif.org</a>
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<b>Event conditions</b>	Device status, edge storage, scheduled event, video
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<b>Event actions</b>	Send images, publish MQTT, send notifications, overlay text, recordings, SNMP trap messages, status LED, video clips
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<b>Data streaming</b>	Event data
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## Analytics

<b>Applications</b>	Included AXIS Video Motion Detection Supported Tampering alarm Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="https://axis.com/acap">axis.com/acap</a>
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## Approvals

<b>Safety</b>	UL recognized component, IS 13252
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<b>Network</b>	NIST SP500-267
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<b>Cybersecurity</b>	ETSI EN 303 645, BSI IT Security Label
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## Cybersecurity

<b>Edge security</b>	<b>Software:</b> 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 <b>Hardware:</b> Axis Edge Vault cybersecurity platform Secure element (CC EAL 6+), Axis device ID, secure keystore, signed video, secure boot
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<b>Network security</b>	IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2) <sup>c</sup> , IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR, HTTPS/HSTS <sup>d</sup> , TLS v1.2/v1.3 <sup>e</sup> , 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> AXIS OS Software Bill of Material (SBOM) 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>Sustainability</b>	PVC free
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<b>Power</b>	Power over Ethernet (PoE) IEEE 802.3at Type 2 Class 4 10–48 V DC, typical 9 W, max 25.5 W
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<b>Connectors</b>	RJ45 for 10BASE-T/100BASE-TX/1000BASE-T PoE 4x FAKRA for sensor units 3-pin terminal block for 10–48 V DC input
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<b>Storage</b>	Support for microSD/microSDHC/microSDXC card and encryption Recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="https://axis.com">axis.com</a>
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<b>Operating conditions</b>	-40 °C to 60 °C (-40 °F to 140 °F) Humidity 10–85% RH (non-condensing)
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<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
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<b>Dimensions</b>	21 x 107 x 110 mm (0.8 x 4.2 x 4.3 in)
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<b>Weight</b>	120 g (0.3 lb)
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<b>Required hardware</b>	AXIS TU6004-E Cable, AXIS TU6005 Plenum Cable, AXIS F21 Sensor Unit, AXIS F4105-LRE Dome Sensor, AXIS F7225-RE Pinhole Sensor
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<b>Included accessories</b>	Installation guide, Windows <sup>®</sup> decoder 1-user license
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<b>Optional accessories</b>	AXIS Surveillance Cards TU6001 Connector 3-pin For more accessories, see <a href="https://axis.com">axis.com</a>
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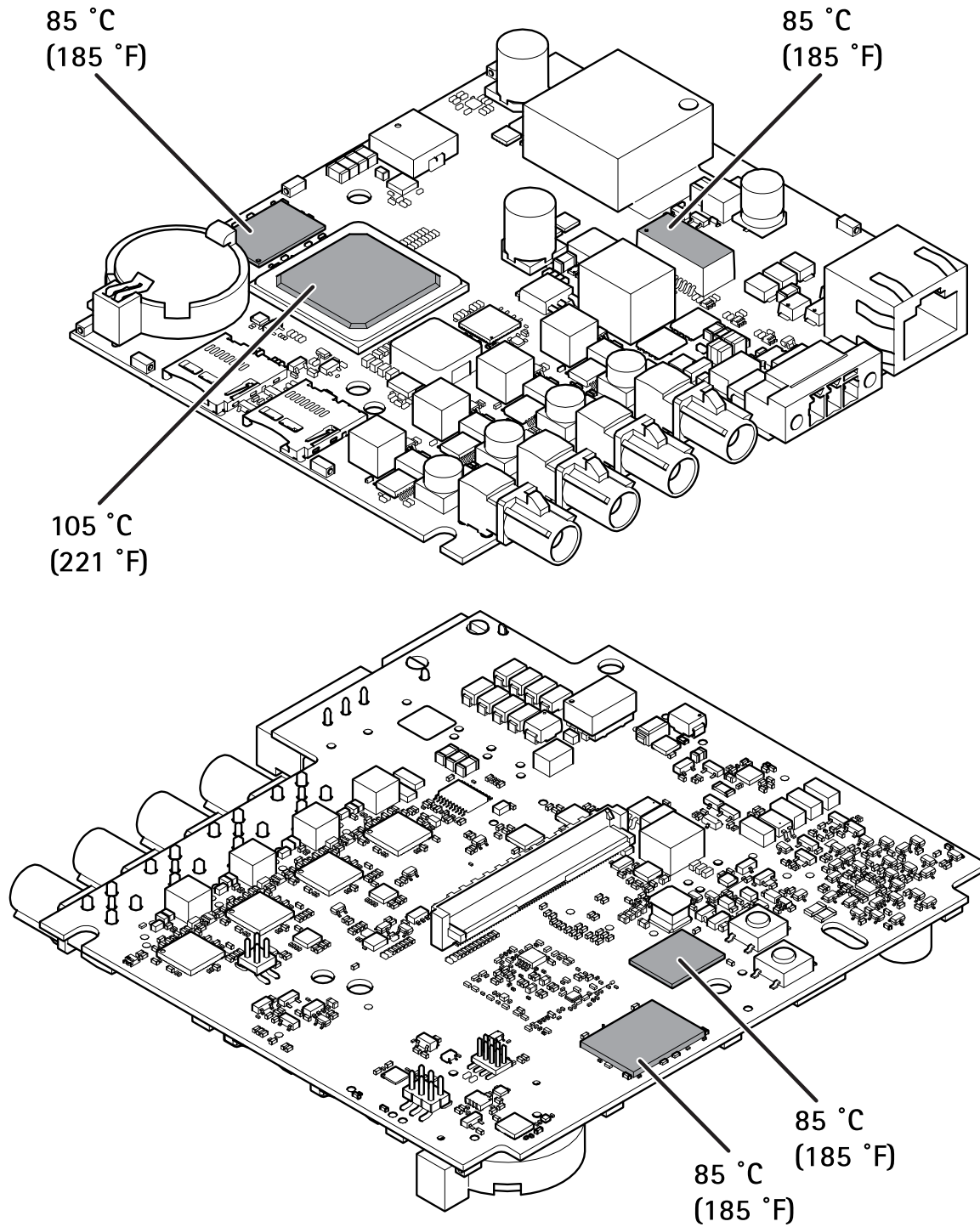
<b>Video management systems</b>	Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station 5, and video management software from Axis' partners available at <a href="https://axis.com/vms">axis.com/vms</a> .
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<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
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<b>Warranty</b>	5-year warranty, see <a href="https://axis.com/warranty">axis.com/warranty</a>
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- 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 ([eyay@cryptsoft.com](mailto:eyay@cryptsoft.com)).
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# AXIS F9104-B Main Unit



*Maximum allowable temperatures. If the ambient temperature is 35 °C (95 °F) or higher, the temperature of the components increases and they must be cooled.*