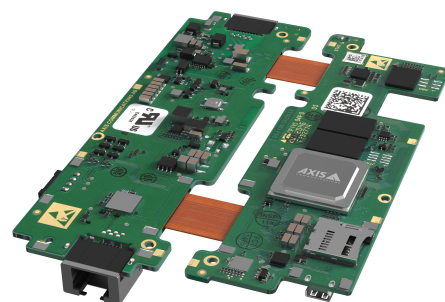
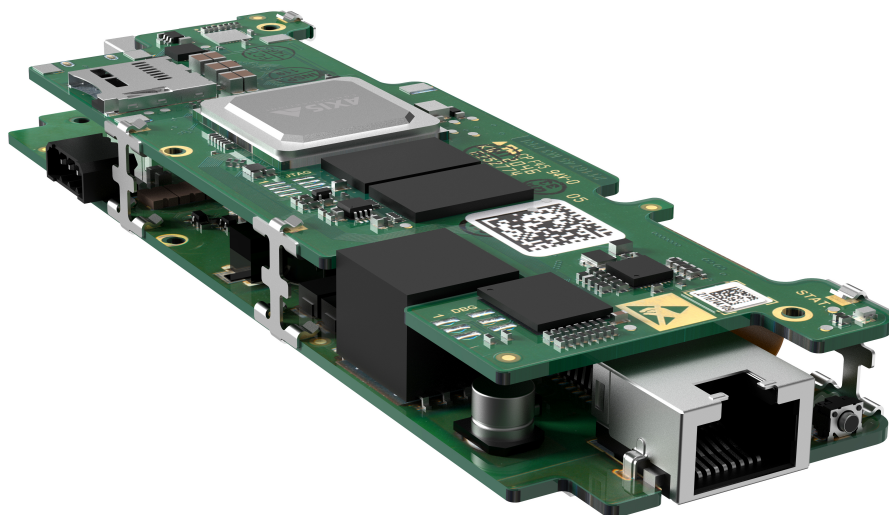


## AXIS FA51-B Main Unit

### Single-channel barebone with HDMI

This compact, single-channel modular main unit allows for discreet surveillance. It offers easy integration into other devices such as monitors and ATMs. This UL recognized component is designed to be integrated into a UL-certified product. Featuring an HDMI output, it's possible to display live video on a public viewing monitor. And, AXIS Face Detector highlights faces within bounding boxes to let would-be thieves know they're being monitored. It's compatible with all AXIS FA sensor units including IR sensor units. Furthermore, Axis Edge Vault protects your Axis device ID and simplifies authorization of Axis devices on your network.

- > **Easy integration with other devices**
- > **UL recognized component**
- > **HDTV 1080p at full frame rate**
- > **Discreet installation and surveillance**
- > **HDMI output for public viewing monitors**



# AXIS FA51-B Main Unit

## System on chip (SoC)

**Model**  
ARTPEC-6

**Memory**  
1024 MB RAM, 512 MB Flash

## Video

**Video compression**  
H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles  
Motion JPEG

**Resolution**  
1920x1080 (1080p) to 160x90

**Frame rate**  
Up to 25/30 fps in all resolutions

**Video streaming**  
Multiple, individually configurable streams in H.264 and Motion JPEG  
Axis Zipstream technology in H.264  
Controllable frame rate and bandwidth  
VBR/ABR/MBR H.264  
HDMI

**HDMI output**  
Single camera source  
Playlist: single camera sources, still images  
1080p 30/25/24 fps (50/60 Hz)  
720p 50/60 fps (50/60 Hz)  
576p 50 fps (50/60 Hz)  
480p 60 fps (50/60 Hz)

**Image settings**  
Contrast, brightness, sharpness, Forensic WDR, white balance, exposure control, exposure zones, compression, rotation: 0°, 90°, 180°, 270° including corridor format, mirroring, polygon privacy mask, control queue

**Pan/Tilt/Zoom**  
Digital PTZ, preset positions

## Network

**Security**  
IP address filtering, HTTPS<sup>1</sup> encryption, IEEE 802.1x (EAP-TLS)<sup>1</sup> network access control, multi-level user, Axis Edge Vault with Axis device ID

**Network protocols**  
IPv4, IPv6 USGv6, HTTP, HTTPS<sup>1</sup>, SSL/TLS<sup>1</sup>, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, PTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, RTCP, DHCP, SOCKS, SSH, MQTT

## System integration

**Application Programming Interface**  
Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at [axis.com](https://axis.com)  
One-click cloud connection  
ONVIF® Profile G and ONVIF® Profile S, specification at [onvif.org](https://onvif.org)

**Event conditions**  
Device status, edge storage, I/O, PTZ, scheduled event, video

**Event actions**  
Toggle I/O, send images, publish MQTT, send notifications, overlay text, recordings, SNMP trap messages, status LED, video clips

**Data streaming**  
Event data

## Analytics

**Applications**  
**Included**  
AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard  
AXIS Video Motion Detection, AXIS Face Detector, active tampering alarm  
**Supported**  
AXIS People Counter, autotracking  
Support for AXIS Camera Application Platform enabling installation of third-party applications, see [axis.com/acap](https://axis.com/acap)

1. 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 ([eay@cryptsoft.com](mailto:eay@cryptsoft.com)).

## Approvals

### Safety

UL recognized component

### Network

NIST SP500-267

### Cybersecurity

ETSI EN 303 645, BSI IT Security Label

## Cybersecurity

### Edge security

**Software:** Signed OS, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 Client Credential Flow/OpenID Authorization Code Flow for centralized ADFS account management, password protection, AES-XTS-Plain64 256bit SD card encryption  
**Hardware:** Secure boot, Axis Edge Vault with Axis device ID, signed video, secure keystore (CC EAL4+ certified hardware protection of cryptographic operations and keys)

### Network security

IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2)<sup>2</sup>, IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR, HTTPS/HSTS<sup>2</sup>, TLS v1.2/v1.3<sup>2</sup>, Network Time Security (NTS), X.509 Certificate PKI, host-based firewall

### 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](https://axis.com/support/cybersecurity/resources)

To read more about Axis cybersecurity support, go to [axis.com/cybersecurity](https://axis.com/cybersecurity)

## General

### Sustainability

PVC free, BFR/CFR free

### Power

Power over Ethernet (PoE) IEEE 802.3af Type 1 Class 3, typical 5.2 W, max 6.82 W

### Connectors

RJ45 10BASE-T/100BASE-TX PoE

RJ12 for sensor unit

4-pin terminal block for two configurable alarm inputs/outputs (12 V DC output, max. load 50 mA)

HDMI type D

### Storage

Support for microSD/microSDHC/microSDXC card and encryption

Recording to network-attached storage (NAS)

For SD card and NAS recommendations see [axis.com](https://axis.com)

### Operating conditions

-20 °C to 50 °C (-4 °F to 122 °F)

Maximum temperature (intermittent): 60 °C (140 °F)

Start-up temperature: -20 °C (-4 °F)

Humidity 10–85% RH (non-condensing)

### Storage conditions

-40 °C to 65 °C (-40 °F to 149 °F)

Humidity 10–85% RH (non-condensing)

### Dimensions

Folded: 18.5 x 45 x 140 mm (0.7 x 1.8 x 5.5 in)

Flat: 17 x 92 x 140 mm (0.7 x 3.6 x 5.5 in)

### Weight

67 g (0.15 lb)

### Included accessories

Installation guide, Windows® decoder 1-user license, terminal block connector

### Optional accessories

AXIS T8415 Wireless Installation Tool, AXIS Surveillance Cards, AXIS T8120 Midspan 15 W 1-port

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

### 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](https://axis.com/vms).

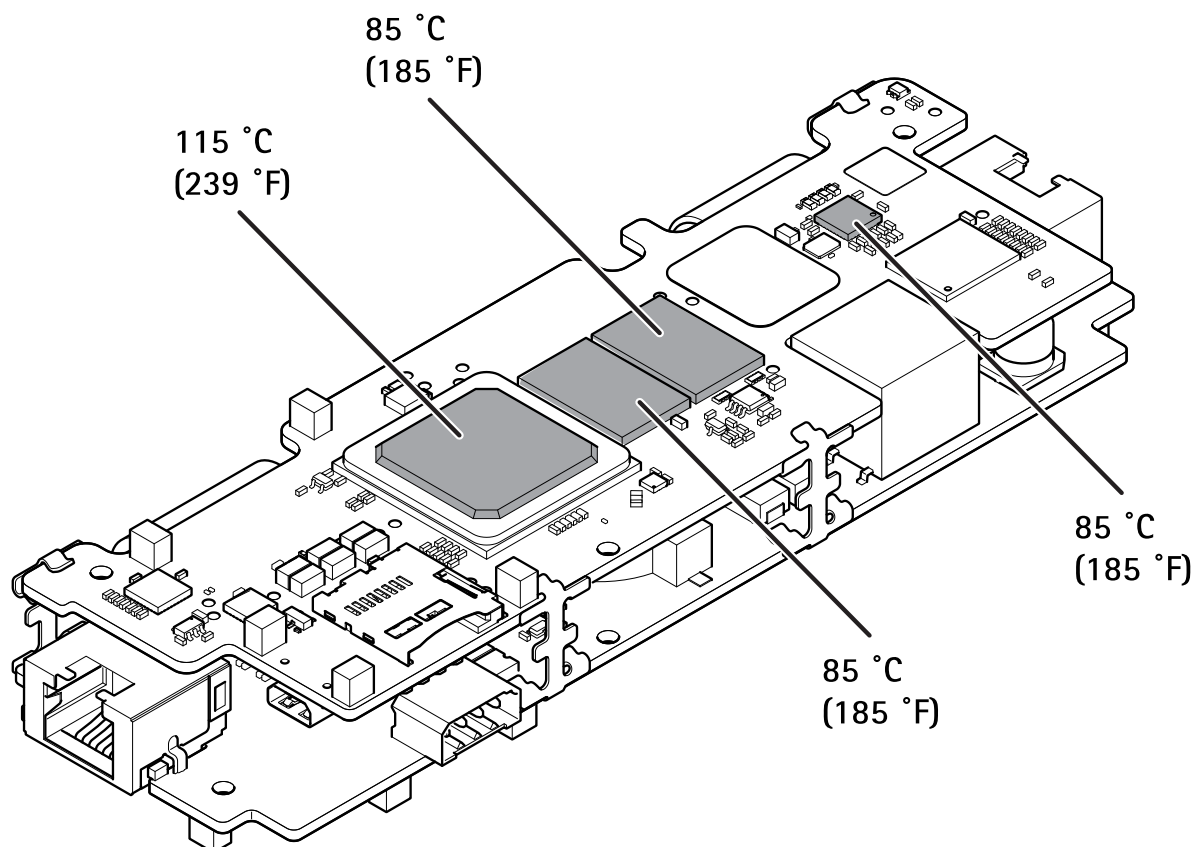
### Languages

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](https://axis.com/warranty)

2. 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)).



Maximum allowable temperatures