

## AXIS FA51 Main Unit

Single-channel main unit with HDMI output

This modular single-channel main unit can connect to one sensor unit offering highly discreet surveillance. 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 shoplifters know they're being monitored and proactively reduce shoplifting. Compatible with all AXIS FA sensor units including IR sensor units, you'll enjoy excellent video quality even in complete darkness. Furthermore, Axis Edge Vault protects your Axis device ID and simplifies authorization of Axis devices on your network.

- > **HDTV 1080p at full frame rate**
- > **AXIS Face Detector preinstalled**
- > **HDMI output for public viewing monitors**
- > **1 configurable input/output port**
- > **Compatible with all AXIS FA sensor units**



# AXIS FA51 Main Unit

<b>System on chip (SoC)</b>		<b>Environment</b>	IEC/EN 60529 IP4X, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78
<b>Model</b>	ARTPEC-6	<b>Network</b>	NIST SP500-267
<b>Memory</b>	1024 MB RAM, 512 MB Flash	<b>Cybersecurity</b>	ETSI EN 303 645
<b>Video</b>		<b>Cybersecurity</b>	
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	<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> Secure boot, Axis Edge Vault with Axis device ID, signed video, secure keystore (CC EAL4+ certified hardware protection of cryptographic operations and keys)
<b>Resolution</b>	1920x1080 (1080p) to 160x90	<b>Network security</b>	IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2) <sup>a</sup> , IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR, HTTPS/HSTS <sup>a</sup> , TLS v1.2/v1.3 <sup>a</sup> , Network Time Security (NTS), X.509 Certificate PKI, host-based firewall
<b>WDR</b>	Forensic WDR	<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>
<b>Frame rate</b>	Up to 25/30 fps in all resolutions	<b>General</b>	
<b>Video streaming</b>	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	<b>Casing</b>	IP4X- Aluminum casing Color: black NCS S 9000-N
<b>HDMI output</b>	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)	<b>Sustainability</b>	PVC free, BFR/CFR free
<b>Image settings</b>	Contrast, brightness, sharpness, white balance, exposure control, exposure zones, compression, rotation: 0°, 90°, 180°, 270° including corridor format, mirroring, polygon privacy mask, control queue	<b>Power</b>	Power over Ethernet (PoE) IEEE 802.3af Type 1 Class 3, typical 5.2 W, max 6.82 W
<b>Pan/Tilt/Zoom</b>	Digital PTZ, preset positions	<b>Connectors</b>	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
<b>Network</b>		<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>
<b>Security</b>	IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>a</sup> network access control, multi-level user, signed video, Axis Edge Vault, Axis device ID, secure keystore (CC EAL4 certified)	<b>Operating conditions</b>	-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)
<b>Network protocols</b>	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS <sup>a</sup> , TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, RTP, DHCP, SSH, CDP, MQTT, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)	<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 10–85% RH (non-condensing)
<b>System integration</b>		<b>Dimensions</b>	24 x 49 x 152 mm (0.9 x 1.9 x 6.0 in)
<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">axis.com</a> One-click cloud connection ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile M, ONVIF <sup>®</sup> Profile S, and ONVIF <sup>®</sup> Profile T, specification at <a href="https://onvif.org">onvif.org</a>	<b>Weight</b>	195 g (0.43 lb)
<b>Event conditions</b>	Device status, edge storage, I/O, PTZ, scheduled event, video MQTT subscribe	<b>Included accessories</b>	Installation guide, Windows <sup>®</sup> decoder 1-user license, terminal block connector
<b>Event actions</b>	Toggle I/O, send images, publish MQTT, send notifications, overlay text, recordings, SNMP trap messages, status LED, video clips MQTT publish	<b>Optional accessories</b>	AXIS T8415 Wireless Installation Tool, AXIS Surveillance Cards, AXIS T8120 Midspan 15 W 1-port For more accessories, see <a href="https://axis.com">axis.com</a>
<b>Data streaming</b>	Event data	<b>Video management software</b>	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>Analytics</b>		<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>Applications</b>	<b>Included</b> AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, AXIS Face Detector, active tampering alarm <b>Supported</b> AXIS People Counter, autotracking Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="https://axis.com/acap">axis.com/acap</a>	<b>Warranty</b>	5-year warranty, see <a href="https://axis.com/warranty">axis.com/warranty</a>
<b>Approvals</b>		a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ( <a href="https://openssl.org">openssl.org</a> ), and cryptographic software written by Eric Young ( <a href="mailto:ey@cryptsoft.com">ey@cryptsoft.com</a> ).	
<b>EMC</b>	EN 55035, EN 55032 Class A, EN 61000-6-1, EN 61000-6-2 <b>Australia/New Zealand:</b> RCM AS/NZS CISPR 32 Class A <b>Canada:</b> ICES-3(A)/NMB-3(A) <b>Japan:</b> VCCI Class A <b>Korea:</b> KC KN32 Class A, KC KN35 <b>USA:</b> FCC Part 15 Subpart B Class A		
<b>Safety</b>	IEC/EN/UL 62368-1, CAN/CSA C22.2 No. 62368-1, IS 13252		