

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**



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System on chip (SoC)		AXIS People Counter, autotracking Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
Model	ARTPEC-6	
Memory	1024 MB RAM, 512 MB Flash	
Video		General
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	Casing
Resolution	1920x1080 (1080p) to 160x90	IP4X- Aluminum casing Color: black NCS S 9000-N
Wide dynamic range	Forensic WDR	Sustainability
Frame rate	Up to 25/30 fps in all resolutions	PVC free, BFR/CFR free
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	Power
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)	Connectors
Image settings	Contrast, brightness, sharpness, white balance, exposure control, exposure zones, compression, rotation: 0°, 90°, 180°, 270° including corridor format, mirroring, polygon privacy mask, control queue	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
Pan/Tilt/Zoom	Digital PTZ, preset positions	Storage
Network		Support for microSD/microSDHC/microSDXC card and encryption Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, digest authentication, multi-level user, brute force delay protection, signed firmware, secure boot, signed video, Axis Edge Vault, Axis device ID, secure keystore (CC EAL4 certified)	Operating conditions
Supported protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS ^a , TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP [®] , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, TCP, RTCP, DHCP, SOCKS, SSH, CDP, MQTT, Syslog, Link-Local address (ZeroConf)	-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)
System integration		Storage conditions
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com One-click cloud connection ONVIF [®] Profile G, ONVIF [®] Profile M, ONVIF [®] Profile S, and ONVIF [®] Profile T, specification at onvif.org	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 10–85% RH (non-condensing)
Event conditions	Device status, edge storage, I/O, PTZ, scheduled event, video MQTT subscribe	Approvals
Event actions	Toggle I/O, send images, publish MQTT, send notifications, overlay text, recordings, SNMP trap messages, status LED, video clips MQTT publish	EMC EN 55035, EN 55032 Class A, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), KC KN32 Class A, KC KN35, RCM AS/NZS CISPR 32 Class A, VCCI Class A Safety IEC/EN/UL 62368-1, CAN/CSA C22.2 No. 62368-1, IS 13252 Environment 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 Network NIST SP500-267
Data streaming	Event data	Dimensions
Analytics		24 x 49 x 152 mm (0.9 x 1.9 x 6.0 in)
Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, AXIS Face Detector, active tampering alarm Supported	Weight
		195 g (0.43 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
		Video management software
		AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms
		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 (ey@cryptsoft.com).
		Environmental responsibility: axis.com/environmental-responsibility