AXIS FA54 Main Unit

High-performance multi-view surveillance with Forensic WDR

AXIS FA54 supports up to four AXIS FA Sensor Units, enabling cost–effective and highly discreet surveillance of four closely situated areas with one system. The main unit can stream full frame rate HDTV 1080p videos from four sensor units simultaneously using one IP address. Ideal for retail applications, AXIS FA54 also supports quad view streaming and has an HDMI™ port for connection to a surveillance or public view monitor. The unit uses Forensic WDR (wide dynamic range) that is tuned for motion. Axis Zipstream video compression technology reduces bandwidth and storage requirements.

> **Full frame rate HDTV 1080p streams from four sensor units**

> **Forensic WDR**

> **Quad view stream, Axis Zipstream and Corridor Format**

> **HDMI output, two-way audio, I/Os, two microSD card slots, 12 V DC**

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Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolution	1920x1080 (1080p) to 480x270
WDR	Forensic WDR
Frame rate	In 1080p: up to 25/30 fps (50/60 Hz)
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 Quad view, max 1080p resolution HDMI
HDMI output	Single camera source Picture-in-picture Quad view 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	Compression, color, brightness, sharpness, contrast, white balance, exposure value, exposure control, exposure zones, local contrast, rotation, Corridor Format, text and image overlay, privacy mask, mirroring of images, Picture-in-picture, rotation in quad view

Audio

Audio streaming	Two-way, full-duplex and half-duplex
Audio encoding	AAC-LC 8/16/32/48 kHz, max 128 kbit/s G.711 PCM 8 kHz 64 kbit/s G.726 ADPCM 8 kHz 32 kbit/s or 24 kbit/s Opus 8/16/48 kHz, max 128 kbit/s Configurable bit rate
Audio input/output	External microphone input or line input, line output

Network

Network protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS, TLS, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP™, SNMPv1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)

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 ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and ONVIF® Profile T, specification at *onvif.org*
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*.
Event triggers	Analytics, external inputs Edge storage events MQTT subscribe
Event actions	File upload: email, FTP, HTTP, HTTPS, network share MQTT publish Notification: email, HTTP, HTTPS and TCP Pre- and post-alarm video buffering Video and audio recording to edge storage, play audio clip, external output activation
Built-in installation aids	Pixel counter
Data streaming	Event data

Analytics

Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection

Active tampering alarm, audio detection
Supported
Support for AXIS Camera Application Platform enabling installation of third-party applications, see *axis.com/acap*

Cybersecurity

Edge security	**Software:** Signed OS, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 OpenID Authorization Code Flow for centralized ADFS account management, password protection
Network security	IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2), IEEE 802.1AE (MACsec PSK/EAP-TLS), HTTPS/HSTS, TLS v1.2/v1.3, 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* To read more about Axis cybersecurity support, go to *axis.com/cybersecurity*

General

Casing	Aluminum Plastic
Sustainability	PVC-free
Memory	1024 MB RAM, 512 MB Flash
Power	12 V DC, typical 14 W, max 30 W
Connectors	RJ45 10BASE-T/100BASE-TX/1000BASE-T RJ12 for sensor units 6-pin terminal block for four configurable inputs/outputs (12 V DC output), max load 50 mA Two 3.5 mm mic/line in, 3.5 mm line out DC connector for 12 V DC input HDMI type A
Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations see *axis.com*
Operating conditions	0 °C to 45 °C (32 °F to 113 °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** a55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, ICES-003 Class A, KCC KN32 Class A, KN35 **Safety** IEC/EN/UL 62368-1, IS 13252 **Environment** EN 50581, IEC 60529 IP3X, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-78, IEC 60068-2-6, IEC 60068-2-27 **Network** NIST SP500-267
Dimensions	202 x 102 x 31 mm (7 15/16 x 4 x 1 1/4 in)
Weight	442 g (0.98 lb)
Included accessories	Installation Guide, Windows® decoder 1-user license, power supply Rubber feet, mounting brackets
Optional accessories	AXIS F7315 Cable White 15 m For more accessories, see *axis.com*
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
Warranty	5-year warranty, see *axis.com/warranty*

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