

# 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 Pro les Motion JPEG
Resolution	1920x1080 (1080p) to 480x270
Wide dynamic range	Forensic WDR
Frame rate	In 1080p: 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/MBR H.264 Quad view, max 1080p resolution HDMI
HDMI output	Single camera source 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
Audio	
Audio streaming	Two-way, full duplex and half duplex
Audio compression	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	
Security	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, Digest authentication, User access log, Centralized Certificate Management
Supported protocols	IPv4/v6, HTTP, HTTPS <sup>a</sup> , SSL/TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>TM</sup> , SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH
System integration	
Application Programming Interface	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://www.axis.com">www.axis.com</a> AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF <sup>®</sup> Profile S and ONVIF <sup>®</sup> Profile G, specification at <a href="http://www.onvif.org">www.onvif.org</a>
Analytics	<b>Included</b> AXIS Video Motion Detection Active tampering alarm, audio detection Support for AXIS Camera Application Platform enabling installation of third-party applications, <a href="http://www.axis.com/acap">www.axis.com/acap</a>
Event triggers	Analytics, external inputs Edge storage events
Event actions	File upload: email, FTP, HTTP, HTTPS, network share 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
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 Support for recording to network-attached storage (NAS) For SD card and NAS recommendations, see <a href="http://www.axis.com">www.axis.com</a>
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)
Approvals	<b>EMC</b> 55032 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 <b>Safety</b> IEC/EN/UL 62368-1 <b>Environment</b> 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
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 <a href="http://www.axis.com">www.axis.com</a>
Video management software	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/vms">www.axis.com/vms</a>
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see <a href="http://www.axis.com/warranty">www.axis.com/warranty</a>

a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([www.openssl.org](http://www.openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).

#### Environmental responsibility:

[www.axis.com/environmental-responsibility](http://www.axis.com/environmental-responsibility)