

# 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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<b>Video</b>		<b>Built-in installation aids</b>	
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	<b>Data streaming</b>	Pixel counter Event data
<b>Resolution</b>	1920x1080 (1080p) to 480x270	<b>General</b>	
<b>Wide dynamic range</b>	Forensic WDR	<b>Casing</b>	Aluminum Plastic
<b>Frame rate</b>	In 1080p: up to 25/30 fps (50/60 Hz)	<b>Sustainability</b>	PVC-free
<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 Quad view, max 1080p resolution HDMI	<b>Memory</b>	1024 MB RAM, 512 MB Flash
<b>HDMI output</b>	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)	<b>Power</b>	12 V DC, typical 14 W, max 30 W
<b>Image settings</b>	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	<b>Connectors</b>	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
<b>Audio</b>		<b>Storage</b>	Support for microSD/microSDHC/microSDXC card Support for SD card encryption Recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>
<b>Audio streaming</b>	Two-way, full-duplex and half-duplex	<b>Operating conditions</b>	0 °C to 45 °C (32 °F to 113 °F) Humidity 10-85% RH (non-condensing)
<b>Audio compression</b>	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	<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing)
<b>Audio input/output</b>	External microphone input or line input, line output	<b>Approvals</b>	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
<b>Network</b>		<b>Dimensions</b>	202 x 102 x 31 mm (7 15/16 x 4 x 1 1/4 in)
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X (EAP-TLS) <sup>a</sup> network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware	<b>Weight</b>	442 g (0.98 lb)
<b>Supported protocols</b>	IPv4, IPv6 USGv6, HTTP, HTTPS <sup>a</sup> , SSL/TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP, MQTT	<b>Included accessories</b>	Installation Guide, Windows® decoder 1-user license, power supply Rubber feet, mounting brackets
<b>System integration</b>		<b>Optional accessories</b>	AXIS F7315 Cable White 15 m For more accessories, see <a href="http://axis.com">axis.com</a>
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF® Profile G and ONVIF® Profile S, specification at <a href="http://onvif.org">onvif.org</a>	<b>Video management software</b>	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at <a href="http://axis.com/vms">axis.com/vms</a>
<b>Analytics</b>	Included AXIS Video Motion Detection Active tampering alarm, audio detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>	<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
<b>Event triggers</b>	Analytics, external inputs Edge storage events	<b>Warranty</b>	Axis 3-year warranty and AXIS Extended Warranty option, see <a href="http://axis.com/warranty">axis.com/warranty</a>
<b>Event actions</b>	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	<p>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 (eay@cryptsoft.com).</p> <p>Environmental responsibility: <a href="http://axis.com/environmental-responsibility">axis.com/environmental-responsibility</a></p>	