

## 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



# AXIS FA54 Main Unit

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|--|--|---|
| <b>Video</b>                             |  | Pre- and post-alarm video buffering<br>Video and audio recording to edge storage, play audio clip, external output activation |
| <b>Video compression</b>                 | H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles<br>Motion JPEG   |   |
| <b>Resolution</b>                        | 1920x1080 (1080p) to 480x270   |   |
| <b>Wide dynamic range</b>                | Forensic WDR   |   |
| <b>Frame rate</b>                        | In 1080p: 25/30 fps (50/60 Hz)   |   |
| <b>Video streaming</b>                   | Multiple, individually configurable streams in H.264 and Motion JPEG<br>Axis Zipstream technology in H.264<br>Controllable frame rate and bandwidth<br>VBR/MBR H.264<br>Quad view, max 1080p resolution<br>HDMI  |   |
| <b>HDMI output</b>                       | Single camera source<br>Quad view<br>Playlist: single camera sources, still images<br>1080p 30/25/24 fps (50/60 Hz)<br>720p 50/60 fps (50/60 Hz)<br>576p 50 fps (50/60 Hz)<br>480p 60 fps (50/60 Hz)   |   |
| <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   |   |
| <b>Audio</b>                             |  |   |
| <b>Audio streaming</b>                   | Two-way, full duplex and half duplex   |   |
| <b>Audio compression</b>                 | AAC-LC 8/16/32/48 kHz, max 128 kbit/s<br>G.711 PCM 8 kHz 64 kbit/s<br>G.726 ADPCM 8 kHz 32 kbit/s or 24 kbit/s<br>Opus 8/16/48 kHz, max 128 kbit/s<br>Configurable bit rate  |   |
| <b>Audio input/output</b>                | External microphone input or line input, line output   |   |
| <b>Network</b>                           |  |   |
| <b>Security</b>                          | 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  |   |
| <b>Supported protocols</b>               | 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   |   |
| <b>System integration</b>                |  |   |
| <b>Application Programming Interface</b> | 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><br>AXIS Video Hosting System (AVHS) with One-Click Connection<br>ONVIF <sup>®</sup> Profile S and ONVIF <sup>®</sup> Profile G, specification at <a href="http://www.onvif.org">www.onvif.org</a>       |   |
| <b>Analytics</b>                         | <b>Included</b><br>AXIS Video Motion Detection<br>Active tampering alarm, audio detection<br>Support for AXIS Camera Application Platform enabling installation of third-party applications, <a href="http://www.axis.com/acap">www.axis.com/acap</a>  |   |
| <b>Event triggers</b>                    | Analytics, external inputs<br>Edge storage events  |   |
| <b>Event actions</b>                     | File upload: email, FTP, HTTP, HTTPS, network share<br>Notification: email, HTTP, HTTPS and TCP  |   |
| <b>Built-in installation aids</b>        | Pixel counter  |   |
| <b>Data streaming</b>                    | Event data   |   |
| <b>General</b>                           |  |   |
| <b>Casing</b>                            | Aluminum<br>Plastic  |   |
| <b>Sustainability</b>                    | PVC free   |   |
| <b>Memory</b>                            | 1024 MB RAM, 512 MB Flash  |   |
| <b>Power</b>                             | 12 V DC, typical 14 W, max 30 W  |   |
| <b>Connectors</b>                        | RJ45 10BASE-T/100BASE-TX/1000BASE-T<br>RJ12 for sensor units<br>6-pin terminal block for four configurable inputs/outputs (12 V DC output), max load 50 mA<br>Two 3.5 mm mic/line in, 3.5 mm line out<br>DC connector for 12 V DC input<br>HDMI type A   |   |
| <b>Storage</b>                           | Support for microSD/microSDHC/microSDXC card<br>Support for SD card encryption<br>Support for recording to network-attached storage (NAS)<br>For SD card and NAS recommendations, see <a href="http://www.axis.com">www.axis.com</a>   |   |
| <b>Operating conditions</b>              | 0 °C to 45 °C (32 °F to 113 °F)<br>Humidity 10-85% RH (non-condensing)   |   |
| <b>Storage conditions</b>                | -40 °C to 65 °C (-40 °F to 149 °F)   |   |
| <b>Approvals</b>                         | <b>EMC</b><br>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<br><b>Safety</b><br>IEC/EN/UL 62368-1<br><b>Environment</b><br>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 |   |
| <b>Dimensions</b>                        | 202 x 102 x 31 mm (7 15/16 x 4 x 1 1/4 in)   |   |
| <b>Weight</b>                            | 442 g (0.98 lb)  |   |
| <b>Included accessories</b>              | Installation Guide, Windows decoder 1-user license, power supply<br>Rubber feet, mounting brackets   |   |
| <b>Optional accessories</b>              | AXIS F7315 Cable White 15 m<br>For more accessories, see <a href="http://www.axis.com">www.axis.com</a>  |   |
| <b>Video management software</b>         | 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>   |   |
| <b>Languages</b>                         | English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese  |   |
| <b>Warranty</b>                          | 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)